

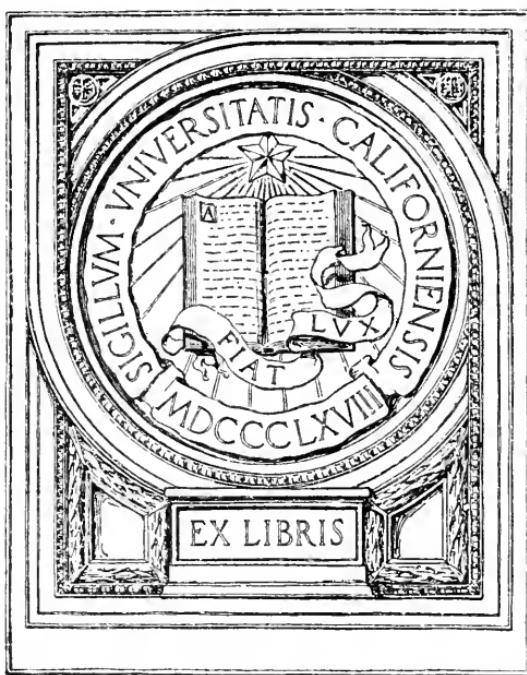
ANNUAL REPORT
—
J. L. MEARES, M.D.
HEALTH OFFICER
—

CITY AND COUNTY OF SAN FRANCISCO.

1887.

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ANNUAL REPORT

OF

J. L. MEARES, M.D.,

HEALTH OFFICER

OF THE

City and County of San Francisco,

FOR THE

FISCAL YEAR ENDING JUNE 30, 1887.



SAN FRANCISCO:

W.M. MINTON & CO., PRINTERS, 536 CLAY ST.
1887.

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HEALTH OFFICER'S REPORT.

*To the Honorable the Board of Supervisors
Of the City and County of San Francisco :*

GENTLEMEN : I herewith transmit my report of the affairs of this office for the fiscal year terminating June 30th, 1887.

During the year there were 5,359 deaths, against 5,322 the preceding year.

Estimating our population at 300,000, the annual ratio of deaths was 17.86, against 18.8 per 1,000 of the preceding year.

Estimating the Chinese population at 22,000, the annual ratio of deaths per 1,000 was 22.18, against 21 of the preceding year.

Estimating the population of other nationalities at 278,000, the annual ratio of deaths per 1,000 was 17.10, against 18.8 of the preceding year.

I am warranted in estimating our population at 300,000 by the number of school children, the number of registered voters, the number and character of the houses constructed during the year, as well as by the estimate of others who have given the subject much attention.

The causes of death were :

From Zymotic diseases	810
From Constitutional diseases	1,056
From Local diseases	2,143
From violence	272
From unascertained causes (Chinese)	355
From unascertained causes (other nationalities)	149
(UNascertained includes death from natural causes.)	
From developmental diseases	574

Among the more prominent causes of death were: Diphtheria, 247; Typhoid Fever, 145; Phthisis, 738; Pneumonia, 300; Diseases of the Heart, 289; Encephalitis, 129; Apoplexy and Paralysis, 224, Violence, 280.

The following table will show the number of deaths from Diphtheria during the last eleven years:

Terminating June 30, 1877	911
Terminating June 30, 1878.....	332
Terminating June 30, 1879.....	169
Terminating June 30, 1880.....	69
Terminating June 30, 1881.....	39
Terminating June 30, 1882.....	102
Terminating June 30, 1883.....	102
Terminating June 30, 1884.....	51
Terminating June 30, 1885.....	213
Terminating June 30, 1886.....	218
Terminating June 30, 1887.....	247
Total.....	2,453

This is a fearful mortality to occur from a single disease usually considered preventable. It is due, in my opinion, to the disgraceful condition of our drainage system, particularly south of Market street. This portion of the city is the hot-bed which propagates this disease, and from which the germs are transplanted to other localities. I desire to refer you to my recommendations in regard to these conditions in my former reports.

San Francisco has never been in a more prosperous condition than we find it to-day. The best evidence of this fact is, that the mechanic and laborer have no difficulty in finding employment at more remunerative prices than for many years.

The continued construction of cable roads, not only giving employment during their construction, but affording employment for vast numbers after their completion; the construction of the Union Iron Works; our various canning factories, added to other great industries, have advanced the prosperity of the city to an extent which was not anticipated a few years ago. It is this prosperity which has, more than any other cause, awakened the intelligence of the city to the importance of sanitary reform. The lethargy which has characterized our administration heretofore ought not hereafter to be tolerated by the citizens of San

Francisco. The Press, and the intelligence of the city generally, demand that San Francisco shall be no longer cursed with disgraceful streets, sidewalks, and disease-breeding elongated cess-pools, miscalled sewers.

It is true, our death rate is less than that of most cities of the same population, yet the above table shows that Diphtheria is a fixed disease here—more so than in any other city. Our mortuary report also shows that of the 247 deaths from Diphtheria 240 were under 20 years of age. This cold statement of a fact, that a certain number of deaths were caused by any disease during the year, tells not of the distress and suffering caused thereby, of the loss of entire families of children; of the blasted hopes and utter despair of parents, who continue to live with nothing to live for, their hearts pierced by arrows of mourning, distress and unutterable woe. These deaths occur, not among the old and decrepid, whose life of usefulness has passed away forever but, as the statistics show, it seeks for its victims those under the age of 20, without regard to sex or condition—those whose lives of usefulness are just beginning, and upon whom the future prosperity of San Francisco so much depends. No one, except were absolutely ignorant of the condition of affairs, will suppose that the drainage system of this city can ever be reconstructed properly by ordinary taxation. The issuance of bonds is absolutely necessary, and nine-tenths of the taxpayers, in my opinion, would so vote if they believed the money would be honestly and economically expended. To pay the interest on these bonds would cost less money than now expended in the construction and reconstruction of sewers and the improvement of streets.

It must be remembered, also, that a great deal of the work which is now done must, in the near future, be thrown away. A brick sewer is frequently constructed to replace an old and decayed wooden one, but, the fall being insufficient, you are frequently substituting an elongated cesspool made of brick instead of wood.

This whole matter, as I have been recommending for eleven years, should be under the control of some eminent sanitary engineer.

I refer you to my former reports, as far back as the fiscal year terminating 30th of June, 1877, for further information. I cannot, however, leave this subject without again insisting upon the continuance of Brannan-street sewer to the Channel-street sewer, and the extension of the streets from Potrero avenue to San Jose avenue to Army-street sewer.

For the urgent reasons which make these two improvements so important, I refer you to my former reports.

The percentage of deaths from diphtheria was.....	1.53
The percentage of deaths from phthisis was.....	13.69
The percentage of deaths under 5 years was.....	27.6
The percentage of deaths in public institutions was.....	20.13

The causes of the large number of deaths from Phthisis has so often been explained that it is not necessary to repeat them here. Those interested can find them in former reports.

SMALL-POX.

On February 23, 1887, a white man, who arrived from Texas a few days before, was reported as having Variola. The case was verified by me, removed immediately to the Twenty-sixth street Hospital, and all necessary precautions taken. No other case occurred.

On May 3d a Chinaman was reported on the City of Sydney. He was removed to hospital.

On the 4th of this month a Custom-house officer, an Inspector of Chinese steamers, was also reported, and removed to hospital.

The next case reported was a longshoreman, who worked on the China steamers. He was removed also.

During the months of May and June there was verified sixteen other cases, which were sent to the hospital.

All of these cases were traceable to the same source. Other cases will no doubt occur; but I have no fear of an epidemic. Isolation, vaccination with bovine virus, thorough fumigation and destruction of infected clothing, bedding, and other articles, when necessary, I am satisfied will control the disease.

We have had so little small-pox in the last six or seven years that a little scare, such as is prevailing at present, will not be

without its benefits. I can see the effect of it daily by the increased amount of vaccination at the Health office.

Careless parents, whose children are under the school age, and whose vaccination has been delayed, are coming in increased numbers daily. Derelict teachers, who have failed to require from the children under their care certificates of vaccination, will now become alarmed, and where the neglect has occurred it will soon be remedied.

It gives me great pleasure to reiterate my entire confidence in the absolute protective power of bovine virus against an attack of small-pox. Since its introduction here, in May, 1877, there has not been a single case of varioloid after successful vaccination with bovine virus, notwithstanding thousands of exposures, particularly during the epidemic of 1876 and 1877, and that of 1880.

Those interested in this subject I would refer to my report published in Municipal Reports of the fiscal year terminating June 30, 1877.

The propositions laid down therein have never been controverted, and have lost none of their force with longer experience.

How to dispose of the garbage of the city is a question of great importance, and one which must demand your immediate attention.

The Harbor Commissioners have refused to permit the dumping of garbage into the Bay by means of scows. There are only two methods left from which you must choose—cremation, or its removal to the country for fertilizing purposes. Both are expensive. Cremation is rapidly gaining favor for sanitary reasons, both in this country and England. If not found too expensive, in my opinion it should be adopted. It is said to be in successful operation in several cities in this country, in Canada and in England.

Our record of deaths and marriages are believed to be absolutely correct. The record of births is so deficient that it is worthless for statistical purposes. The same complaint comes from the Health Department of other States. The enforcement of existing laws is simply impossible, as has been suggested. Full and reliable statistics would be obtained by the appoint-

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ment of a Collector of Statistics, whose duty it should be, at stated intervals, to visit those now required by law to make reports of births, and obtain the desired information.

Accompanying this report, please find the reports of the Quarantine Officer, City Physician, a Financial Report of the Secretary of the Department, as well as other officers immediately connected with this office.

We are again under obligations to the officers of the Signal Service for the valuable meteorological and barometrical observations transmitted with this report. My thanks are also due to Chief of Police Crowley, who has furnished a force, by request of the Board of Health, to aid in improving the sanitary condition of the city.

Respectfully, your obedient servant,

J. L. MEARES, M. D.,

Health Officer

Of the City and County of San Francisco.

TABLE No. I.

MONTHLY DISTRIBUTION OF MORTALITY IN SAN FRANCISCO FOR TWENTY
YEARS.

FISCAL YEARS.		June.....	July.....	August.....	September.....	October.....	November.....	December.....	January.....	February.....	March.....	April.....	May.....	June.....	
	Caucasian & African.														
1867-68.....	2410	167	2577	248	193	187	217	167	917	228	199	195	193	218	275
1868-69.....	3869	224	4003	346	317	356	534	411	501	380	267	299	286	309	293
1869-70.....	3023	220	3243	296	268	266	270	270	287	263	253	255	261	271	282
1870-71.....	2919	295	3214	298	281	262	309	347	256	298	245	227	232	225	221
1871-72.....	2640	359	2998	230	247	248	360	238	245	226	243	256	255	263	247
1872-73.....	3236	405	3641	297	354	290	130	329	294	301	296	323	328	361	368
1873-74.....	3548	465	4013	331	294	308	330	338	425	391	300	363	289	292	343
1874-75.....	3710	453	4163	366	337	321	379	320	333	349	310	369	373	347	359
1875-76.....	4182	609	4791	371	378	324	408	438	410	405	387	364	347	308	561
1876-77.....	5555	615	6170	507	477	548	526	542	607	641	496	511	464	444	407
1877-78.....	4450	527	4977	417	394	434	433	401	463	457	397	411	425	377	368
1878-79.....	3970	533	4493	375	344	384	395	399	438	463	370	325	339	370	321
1879-80.....	3573	467	4340	335	313	377	405	341	352	393	363	422	405	316	318
1880-81.....	3808	479	4257	343	373	346	350	380	340	370	314	351	319	349	352
1881-82.....	4481	527	5008	312	317	324	354	392	424	518	509	584	401	465	408
1882-83.....	4430	558	4988	419	420	414	400	419	462	440	399	449	385	398	385
1883-84.....	4498	502	5000	470	366	435	321	392	419	432	443	414	395	457	386
1884-85.....	4818	470	5288	452	369	364	380	379	440	438	468	502	468	512	516
1885-86.....	4860	462	5322	458	445	415	432	421	521	519	282	479	418	435	397
1886-87.....	4871	488	5359	437	408	394	425	452	491	522	451	445	450	475	409

HEALTH OFFICER'S REPORT.

TABLE No. II.

MORTALITY IN SAN FRANCISCO FOR TWENTY YEARS, ARRANGED ACCORDING TO CLASSES.

FISCAL YEARS.	CAUSES OF DEATH.						Total.
	Zymotic Diseases.	Constitu-tional Diseases.	Local Diseases.	Develop-mental Diseases.	Violent Deaths.	Unscer-tained Causes.	
1867-68	550	491	1,058	255	136	87	2,577
1868-69	1,578	628	1,286	421	147	33	4,093
1869-70	770	617	1,278	396	142	40	3,243
1870-71	625	633	1,273	444	145	94	3,214
1871-72	521	627	1,224	330	137	159	2,998
1872-73	652	672	1,410	412	151	344	3,641
1873-74	922	728	1,428	429	187	319	4,013
1874-75	785	743	1,503	537	222	373	4,163
1875-76	930	856	856	1,691	570	492	4,791
1876-77	2,148	814	1,846	593	276	493	6,170
1877-78	1,027	876	1,811	544	273	446	4,977
1878-79	743	875	1,729	546	215	385	4,493
1879-80	555	884	1,797	503	267	274	4,340
1880-81	645	845	1,884	521	191	201	4,287
1881-82	718	957	2,410	560	238	125	5,008
1882-83	644	1,111	2,375	513	263	82	4,988
1883-84	670	1,155	2,381	528	245	21	5,000
1884-85	927	952	2,440	582	276	111	5,288
1885-86	775	1,017	2,364	554	280	332	5,322
1886-87	810	1,056	2,143	574	272	504	5,359

TABLE No. III.

ESTIMATED POPULATION, DEATHS AND DEATH RATE OF SAN FRANCISCO FOR TWENTY YEARS.

FISCAL YEARS.	ESTIMATED POPULATION.	DEATHS.	PER CENT PER 1,000.
1867-68.....	*131,100	2,577	19.65
1868-69.....	*147,950	4,093	27.66
1869-70.....	†170,250	3,243	19.04
1870-71.....	*172,750	3,214	18.60
1871-72.....	*178,276	2,998	16.81
1872-73.....	*188,323	3,641	19.33
1873-74.....	*200,770	4,013	19.98
1874-75.....	*230,132	4,163	18.09
1875-76.....	*272,345	4,791	17.59
1876-77.....	*300,000	6,170	20.56
1877-78.....	*300,000	4,977	16.59
1878-79.....	*305,000	4,492	14.75
1879-80.....	†234,520	4,340	18.50
1880-81.....	†234,520	4,237	18.27
1881-82.....	234,520	5,008	21.34
1882-83.....	250,000	4,988	19.92
1883-84.....	270,000	5,000	18.47
1884-85.....	270,000	5,288	19.58
1885-86.....	280,000	5,322	19.00
1886-87.....	300,000	5,359	17.96

*According to Langley's City Directory.

†U. S. Census. II. U. S. Census returns, July 1, 1880: White population, 212,520; Chinese population, 22,000.

TABLE No. IV.
ABRIDGED MORTALITY REPORT FOR THE FISCAL YEAR ENDING JUNE 30, 1887.

DISEASES.	RACE.	AGES.				NATIVITIES.												
		Unascertained.		SEA.		Pacific Coast.		Unascertained.										
		Male.		Female.		Atlantic Coast.		Foreign Countries.										
		Over 70 Years.	Under 5 Years.	From 5 to 20 Years.	From 20 to 50 Years.	From 50 to 70 Years.	From 70 to 99 Years.	Male.	Female.									
		Unascertained.	Chinese.....	Caucasian and African.....	Total.....	Unascertained.	Unascertained.	Unascertained.	Unascertained.									
		Per cent.	.....	.....	.....	.....	.....	.....	.....		
I. Zymotic Diseases.....	803	7	810	15.11	368	197	62	12	3	452	358	181	83	524	22	.....	.....
II. Constitutional Diseases.....	1011	45	1056	19.71	69	635	234	36	1	635	421	588	220	223	16	.....	.....
III. Local Diseases.....	2096	47	2143	39.99	583	128	611	160	2	1297	846	1028	366	710	39	.....	.....
IV. Deaths from Violence.....	560	14	574	10.71	322	9	62	55	126	274	300	179	72	289	34	.....	.....
V. Deaths from Violence {White & Black Chinese.....	262	20	272	5.08	12	25	52	8	19	240	32	154	41	50	27	.....	.....
VI. Unascertained {Chinese.....	149	355	504	9.40	64	14	327	82	14	414	90	410	27	61	6	.....	.....
Total	4871	488	5359	1418	2907	454	1066	356	28	3312	2047	2540	818	1857	144
Per cent. to Total Mortality.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
I.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Measles.....	3	3	.056	2	1	.....	.....	4	3	.....	.....	3	.....	.....	.....	.....	.....
Scarletina.....	9	9	.168	4	5	.....	.....	5	5	.....	.....	1	.....	8	.....	.....	.....
Diphtheria.....	247	247	4.422	129	111	7	.....	.....	124	123	12	15	15	217	3	.....	.....
Croup.....	76	1	77	1.25	55	22	.....	.....	41	36	3	5	5	60	.....	.....	.....
Pertussis.....	18	18	3.54	18	18	.....	.....	11	7	.....	.....	11	7	18	.....	.....	.....
Typhoid Fever.....	145	145	2.705	7	46	75	17	.....	91	54	60	25	25	54	4	.....	.....
Malaria Fever.....	4	4	.074	1	1	2	.....	2	2	2	2	1	1	2	2	2	2
Diarrhea and Dysentery.....	38	38	.709	29	8	.....	1	1	1	24	14	6	3	23	6	.....	.....
Cholera Infantum.....	88	88	1.642	87	2	1	1	1	46	42	3	2	34	1	
Cholera Morbus.....	3	3	.056	2	1	1	1	2	1	2	1	2	1	2	1	1	

MORTUARY STATISTICS.

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TABLE No. IV—CONTINUED.

DISEASES.	RACE.	AGE.	SEX.	NATIONALITIES.			
				Chinese.	Caucasian and African.	Per cent.	Unascertained.
Pyrexia and Septicemia	54	1,005	4	6	30	13	1
Cerebro-Spinal Meningitis	20	.370	16	2	1	1	1
Other Miasmatic Diseases	15	.296	3	5	4	1	1
Syphilis	18	3	21	.391	10	4	3
Alcoholism	50	50	.933	.....	1	2	3
Other Dicitic Diseases	17	1	18	.354	3	1	1
II.							
Cancers	64	1,194	.....	1	37	19	6
Other Diathetic Diseases	146	2,724	2	4	54	72	14
Phtisis, Pulmonary	728	44	772	14,415	13	65	535
Hydrocephalus and Tubercular Meningoitis	53	1	63	.988	44	5	4
Other Tubercular Diseases	20	21	21	.391	10	6	5
III.							
Brain Congestion	30	.....	.559	15	2	6	1
Encephalitis	129	129	2,406	93	16	11	9
Brain Softening	43	43	.....	.802	.....	5	25
Epilepsy	9	9	.....	.168	2	4	1
Aphasia and Paralysis	224	1	225	4,192	5	57	119
Other Diseases of the Nervous System	102	3	195	3,687	155	8	22

TABLE No. IV—CONTINUED.

DISEASES.	RACE.	AGES.	SEX.	NATIONALITIES.			
				Unascertained.		Pacific Coast.	
				Atlantic Coast.		Foreign Countries.	
			Female.				
			Male.				
Diseases of the Heart.....				182	110	183	38
Aneurisms.....	22	3	292	5,467	8	18	2
Other Diseases of the Circulatory System.....	27	27	503	4	17	4	2
Bronchitis.....	104	9	2,108	57	15	15	5
Lungs, Congestion.....	41	41	784	17	14	8	1
Pneumonia.....	300	11	5,803	75	18	17	2
Pleurisy.....	16	16	396	11	3	12	4
Other Diseases of the Respiratory System.....	60	60	1,119	6	27	3	1
Gastritis.....	57	1	58	1,082	23	1	1
Gastro-Enteritis.....	4	4	4,074	3	1	3	1
Enteritis.....	123	123	2,295	87	9	9	3
Cirrhosis of Liver.....	39	39	728	1	13	23	1
Hepatitis.....	18	4	410	2	9	11	2
Other Diseases of the Liver Undefined.....	23	33	429	1	7	14	4
Other Diseases of the Digestive System.....	108	1	169	2,033	19	10	1
Bright's Disease.....	53	2	55	1,026	2	5	1
Nephritis.....	48	48	895	3	2	23	1
Other Diseases of the Urinary System.....	57	1	58	1,082	4	22	10
Tumors, Ovarian and Uterine.....	6	6	112	.....	4	1	1
Other Diseases of the Generative System.....	4	4	.....	0.74	.....	2	2
Diseases of the Locomotory System Not Localized.....	79	2	81	1,511	9	6	1

MORTUARY STATISTICS.

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TABLE No V—CONCLUDED.

DISEASES.	RACE.	AGES.	SEX.	NATIVITIES.	
				Unascertained.	Pacific Coast.
				Unascertained.	Unascertained.
				Male.	Male.
				Female.	Female.
				Unascertained.	Unascertained.
				Over 70 Years.	Over 70 Years.
				From 50 to 70 Years.	From 50 to 70 Years.
				From 20 to 50 Years.	From 20 to 50 Years.
				From 5 to Years.	From 5 to Years.
				Under 5 Years.	Under 5 Years.
			Per cent.		
		Total.			
		Chinese....			
		Caucasian and African.			
IV.					
Premature Birth	51	.951	51	20	50
Penitentiary.....	13	.242	9	7	13
Other Diseases of Children	13	.242	13	10	13
Acute Peritonitis, Puerperal Fever, etc.	4	.074	4	4	1
Other Diseases of Women	10	.186	10	10	13
Aatrophy, Inanition, Old Age, etc.	406	7.841	35	205	198
Other Diseases of Nutrition.....	58	1.175	237	24	11
	5		8	32	38
			9	31	13
V.					
Violent Deaths	252	272	5,075	12	32
				25	154
				52	41
				8	50
				19	27
VI.					
Unascertained Causes of Death....	149	355	504	9,404	6
Deaths in Public Institutions	1080	6	1086	....	....
Still births.....	292	1	293	....	293
			
				180	113
			

HEALTH OFFICER'S REPORT.

TABLE
MORTALITY IN SAN FRANCISCO FROM ALL CAUSES

CAUSES OF DEATH.	Total	AGES.												SEX.		
		Male.....						Female.....								
		Unascertained.	Over 100.....	90 to 100.....	80 to 90.....	70 to 80.....	60 to 70.....	50 to 60.....	40 to 50.....	30 to 40.....	20 to 30.....	10 to 20.....	5 to 10.....	2 to 5.....	1 to 2.....	Under 1.....
All causes.....	5359	942	204	272	210	91	153	579	716	712	654	442	244	95	17	..
Specified causes	4555	894	196	264	207	88	145	501	580	599	603	411	232	94	16	..
Unascertained causes..	504	48	8	8	3	3	8	78	133	113	51	31	12	1	1	3
CLASSES.																
I. Zymotic diseases..	810	163	56	149	126	36	35	57	61	50	43	19	10	2	..	3
II. Constral diseases..	1056	33	16	20	11	12	58	238	218	179	149	85	30	1	..	1
III. Local diseases.....	2143	397	108	78	56	32	40	147	219	293	352	259	118	35	4	..
IV. Dyp'm'ntal diseases	574	298	13	11	5	1	3	20	23	19	21	34	68	47	11	..
V. Violent deaths	272	3	3	6	9	7	9	39	59	58	38	14	6	2	..	19
VI. Unascert'd causes..	504	48	8	8	3	3	8	78	136	113	51	31	12	1	1	3
ORDERS.—I.																
1. Miasmatic	721	150	56	149	126	36	33	49	52	28	23	11	7	..	..	1
2. Enthentic	21	10	..	..	..	..	..	3	2	2	3	..	1	..	..	12
3. Dietic	68	3	..	..	..	..	..	2	5	7	20	17	8	2	2	2
II																
1. Diathetic.....	210	1	..	1	2	1	2	12	31	48	56	35	17	2	1	1
2. Tubercular	846	32	16	19	9	11	56	226	187	131	93	50	13	5	..	546
III.																
1. Nervous system..	631	176	49	45	18	5	14	17	36	52	98	70	41	8	1	1
2. Circulatory system.	341	2	3	3	8	8	10	29	41	69	77	52	27	12	..	216
3. Respiratory system	541	96	40	19	13	7	8	46	72	73	74	58	19	13	2	1
4. Digestive system ..	378	115	14	7	9	4	7	34	37	47	53	41	9	1	..	202
5. Urinary system....	161	3	1	1	4	6	1	15	20	34	34	25	15	2	..	114
6. Generative system.	6	..	..	..	..	..	..	2	2	1	..	1	..	..	..	6
7. Locomotory system	4	..	..	..	..	..	..	..	..	2	..	1	..	1	..	1
S. Not localized.....	81	5	1	3	4	2	..	6	11	16	13	13	5	2	..	42
IV.																
1. Children's diseases.	77	73	4	..	..	..	..	7	5	2	..	..	..	..	..	37
2. Women's diseases..	14	..	..	..	..	..	..	..	1	..	..	..	..	..	..	14
3. Old age.....	91	..	..	..	..	..	..	..	1	..	3	5	38	35	9	..
4. Nutrition.....	392	225	9	11	5	1	3	13	17	17	18	29	30	12	2	..
V.																
1. Casualties	167	3	3	6	9	6	7	19	27	37	21	10	5	2	..	12
2. Homicides.....	27	..	..	..	..	..	1	1	13	8	2	2	..	..	..	23
3. Sui'cides.....	77	..	..	..	..	..	1	7	23	19	15	4	1	..	..	7
4. Legal execution..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1
VI.																
Unascertained causes..	504	48	8	8	3	3	8	78	136	113	51	31	13	1	1	3

MORTUARY STATISTICS.

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No. V.

REGISTERED DURING YEAR ENDING JUNE 30, 1887.

RACE.		WARDS.												NATIVITIES.						
		Public Institutions.						Homicides.						Suicides.				Unascertained.		
		12th Ward.	11th Ward.	10th Ward.	9th Ward.	8th Ward.	7th Ward.	6th Ward.	5th Ward.	4th Ward.	3d Ward.	2d Ward.	1st Ward.	Blacks.	Copper.	Pacific Coast.	Atlantic States.	Foreign Countries.		
Caucasian																				
4826 488	45	96	335	36	474	36	259	177	265	324	467	923	609	1086	167	77	27	2540	818	1857
4677 133	45	57	317	35	237	36	136	159	250	309	449	896	593	1079	167	77	27	2130	791	1796
149 355	9	18	1	237	..	123	18	15	15	18	27	16	..	7	..	..	..	410	27	61
799	7	4	13	45	3	22	7	24	31	38	88	75	213	120	131	..	..	181	83	524
1000 45	11	15	80	9	72	8	27	29	54	62	111	173	129	287	..	..	..	588	229	223
2070 47	26	51	159	22	116	19	56	81	123	130	199	387	274	526	..	..	..	1028	366	710
557 14	3	8	33	1	27	2	29	18	35	29	64	123	70	135	..	..	..	179	72	289
251 20	1	..	..	..	..	..	..	..	..	..	..	..	..	..	167	77	27	134	41	50
149 355	9	18	1	237	..	123	18	15	15	18	27	16	..	7	..	..	..	410	27	61
714	3	4	13	41	3	20	6	13	30	35	83	71	207	111	88	..	..	126	68	512
18	3	..	..	..	..	..	2	1	3	1	3	5	1	..	12	..	..	11	1	3
67 1 . . . . .	..	..	..	4	..	..	2	1	3	..	..	..	3	..	31	..	..	44	14	6
209	1	1	15	..	8	2	8	5	15	7	19	31	43	56	..	..	..	145	50	13
791 45	10	14	65	9	64	6	19	24	39	55	92	142	86	231	..	..	..	443	179	210
621 4	6	11	55	9	27	5	22	32	30	34	56	115	92	143	..	..	..	240	84	298
335 3	3	5	19	4	13	5	6	7	22	16	38	68	44	94	..	..	..	216	76	45
500 29	12	21	50	4	47	2	19	20	30	44	45	120	60	79	..	..	..	267	89	172
370 6	2	9	22	3	17	2	6	14	21	27	38	52	49	118	..	..	..	155	63	161
156 3	2	4	6	1	8	3	2	4	15	4	11	20	18	65	..	..	..	96	45	17
5	1	..	..	..	..	..	..	..	..	..	2	..	..	4	..	..	..	4	1	1
4	2	..	..	1	7	1	4	2	1	4	5	5	9	11	11	..	..	2	2	..
79	2	..	..	1	7	1	4	2	1	4	5	5	9	11	11	..	..	48	16	16
76	1	..	5	..	1	..	..	5	5	8	15	22	8	8	..	..	..	..	76	1
14	2	..	2	..	..	..	..	2	1	3	2	4	..	..	..	..	..	10	4	..
90 1	1	..	1	5	1	3	1	4	2	8	4	6	18	20	18	..	..	67	22	..
377 13	2	7	2	..	23	1	23	11	21	14	41	79	42	109	..	..	..	102	50	209
163 4 . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	167	..	..	85	28	40
20 6 1 . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	27	18	2	1
68 9 . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	50	11	4
.. 1 . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
149 355	9	18	1	237	..	123	18	15	15	18	27	16	..	7	..	..	..	410	27	61

TABLE

CAUSES OF DEATH.	Total	AGES.										Unascertained.
		90 to 100	80 to 90	70 to 80	60 to 70	50 to 60	40 to 50	30 to 40	20 to 30	15 to 20	10 to 15	
CLASS I—ZYMOTIC DISEASES.												
Order 1—Miasmatic.												
Cholera morbus.....	3											
Cholera infantum.....	88	78	7	2					1	1		
Cerebro-spinal meningitis.....	20	15		1	2			1			1	
Croup.....	77	5	23	27	21	1						
Diarrhoea.....	27	18	2	1				1	3	1		
Diphtheria.....	247	6	19	101	8	21	6	4	1	2		
Dysentery.....	11	7	1					1		2		
Erysipelas.....	10	2			1		1	1		3		1
Fever, typhoid.....	143	2		6	13	13	20	33	26	13	10	3
Fever, remittent.....	2								1		1	
Fever, typhus.....	1									1		
Fever, malarial.....	4	1								1		2
Measles.....	3		1	1	1							
Pertussis.....	18	16	1	1								
Pyæmia.....	28	2		1			1	2	4	8	1	7
Scarlatina.....	9		4	4			1					
Septicæmia.....	26		1				3	5	9	3	1	4
Smallpox.....	2			1					1			
Order 2—Enthetic.												
Syphilis.....	21	10						3	2	2	3	1
Order 3—Dietic.												
Anæmia.....	18	3					1	2	3	3	3	2
Alcoholism.....	50						1	3	7	17	14	5
CLASS II—CONSTITUTIONAL DISEASES												
Order 1—Diathetic.												
Cancer.....	64				1			4	12	21	12	7
Cancer of breast.....	17							3	7	2	3	2
Cancer of liver.....	20					1	1			7	6	4
Cancer of rectum.....	10								2	1	4	3
Cancer of stomach.....	42							1	5	6	12	5
Cancer of uterus.....	24							1	2	6	10	2
Cancer of intestine	2								1	1		
Cancer of bladder.....	1									1		
Cancer of tongue.....	4									1	3	
Hæmophilia.....	1					1						
Rickets.....	1	1			1			1	3			
Rheumatism.....	24				1			1	3	2	6	5

MORTUARY STATISTICS.

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No. V—CONTINUED.

HEALTH OFFICER'S REPORT.

TABLE

CAUSES OF DEATH.	Total.....	AGES.												Unascertained		
		Over 100.....	90 to 100.....	80 to 90.....	70 to 80.....	60 to 70.....	50 to 60.....	40 to 50.....	30 to 40.....	20 to 30.....	15 to 20.....	10 to 15.....	5 to 10.....	2 to 5.....	1 to 2.....	Under 1.....
Order 2—Tubercular.																
Abscess psoas.....	4															
Hydrocephalus (Tub, Meng., etc.).....	53	23	11	10	3	2	1	1	1	2	...	...	...	...	...
Phtisis pulmonalis	772	4	2	7	4	7	54	224	182	129	93	50	13	3	...	
Serofula	2	1	1	1		2		1	1	...	...	...	...	...	...
Tubes mesenterica	8	4	1	1	2					...	...	...	...	...	...
Tuberculosis, general.....	2			1			1									
CLASS III—LOCAL DISEASES.																
Order 1—Nervous System.																
Apoplexy.....	135								1	5	13	21	47	34	12	2
Brain, abscess of.....	1							1		2	3	1	5	1		1
Brain, congestion.....	30	8	5	2	2				1	1	4	7	2	2	1	
Brain disease.....	21	2			1	1				1	4	13	12	12	1	
Brain, softening.....	43									1	4	13	12	12	1	
Convulsions.....	1															
Convulsions, infantile.....	154	117	21	14	1	1										
Encephalitis.....	129	45	19	20	9	2	5	3	5	3	9					
Epilepsy.....	9	2			1		1	1			3	1				
Mania, acute.....	1								1							
Myelitis.....	6								1	2	2		1			
Paralysis, etc.....	90	1	4		3		5	3	6	9	18	20	16	5		
Sciatica.....	2											2				
Spina bifida.....	1	1									1					
Spinal disease.....	1									2	1			1		
Tetanus.....	7					2	1									
Order 2—Circulatory System.																
Angina pectoris.....	10					1				1	1	4	2	1		
Aneurism.....	6								1	2	2	1	2	1		
Aneurism of aorta.....	16								1	2	9	1	2	1		
Endocarditis.....	7					1	2		1		2	1				
Heart disease.....	196	2	2	3	3	4	8	15	24	37	40	29	20	9		
Heart, fatty degeneration.....	11									1	5	3	1	1		
Heart, hypertrophy.....	1											1				
Heart, valvular.....	84	1			2	2	2	12	12	19	18	11	4	1		
Pericarditis.....	10					1			1		5	3				
Order 3—Respiratory System.																
Asphyxia.....	7	5	1		1					1	5	4	6	1		
Asthma.....	17									1		6	1			
Bronchocoele.....	1											1				
Bronchitis.....	113	37	15	5	3	2	1	3	7	5	8	15	7	3	2	
Emphysema.....	2							1		6	9	4	1	1		
Hemoptysis.....	29									6	7	1	1			

No. V—CONTINUED.

SEX.	RACE.		WARDS.												NATIVITIES.						
			Wards.												Nativities.						
															Transcaspian	2	1	1			
															Pacific	2	5	1	4	2	
															Coast	1	1	1	1	1	
															American	9	1	1	1	1	
															States	1	1	1	1	1	
															Foreign	1	4	168	1	2	
															Countries	436	2				
															Homicides	1					
															Suicides	21	1	1	1	1	
															Casualties	5	5	5	5	5	
															Public Institutions	220					
															12th Ward	1					
															11th Ward	2	6	6	5	5	
															10th Ward	9	126	78	1	1	
															9th Ward	3	48	83	3	5	
															8th Ward	2	1	1	1	1	
															7th Ward	1	1	1	1	1	
															6th Ward	1	1	1	1	1	
															5th Ward	1	1	1	1	1	
															4th Ward	1	1	1	1	1	
															3d Ward	1	1	1	1	1	
															2d Ward	1	1	1	1	1	
															1st Ward	1	1	1	1	1	
															Black	1	1	1	1	1	
															Copper	1	1	1	1	1	
															Caucasian	1	1	1	1	1	
															Female	1	1	1	1	1	
															Male	1	1	1	1	1	
4	25	4	.....	1	5	4	3	2	4	3	2	1	1	1	Transcaspian	2	1	1	1	1
27	26	718	44	10	13	60	9	56	6	18	21	3	1	1	Pacific	2	5	1	1	1	
50	3	4	6	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Coast	1	1	1	1	1
50	2	21	2	1	1	1	1	1	1	1	1	1	1	1	American	9	1	1	1	1	
3	4	40	3	1	1	1	1	1	1	1	1	1	1	1	States	1	1	1	1	1	
2	6	6	1	1	1	1	1	1	1	1	1	1	1	1	Foreign	1	1	1	1	1	
2	2	21	21	21	21	21	21	21	21	21	21	21	21	21	Countries	436	2				
85	50	134	1	3	8	2	4	3	6	7	10	8	18	19	Homicides	1					
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Suicides	21	1	1	1	1	
15	15	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Casualties	5	5	5	5	5
12	9	21	1	1	1	1	1	1	1	1	1	1	1	1	Public Institutions	220					
32	11	40	3	1	1	1	1	1	1	1	1	1	1	1	12th Ward	1					
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11th Ward	2	6	6	6	6	
94	69	150	3	1	4	10	.....	8	.....	9	4	9	13	36	12th Ward	1				
82	47	127	2	1	4	17	3	6	1	1	1	1	1	1	1	10th Ward	1				
6	3	9	1	1	1	1	1	1	1	1	1	1	1	1	1	9th Ward	1				
4	4	6	1	1	1	1	1	1	1	1	1	1	1	1	1	8th Ward	1				
46	41	99	2	1	1	1	1	1	1	1	1	1	1	1	1	7th Ward	1				
2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6th Ward	1				
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5th Ward	1				
7	3	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4th Ward	1				
3	3	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3d Ward	1				
15	1	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2d Ward	1				
2	5	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1st Ward	1				
116	8	191	3	2	3	11	2	3	11	2	4	2	11	19	50	27	45	45	45	45	
6	5	11	1	1	1	1	1	1	1	1	1	1	1	1	1	6th Ward	1				
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5th Ward	1				
59	25	83	1	2	3	1	2	3	1	2	3	1	2	3	11	8	31	31	31	31	
7	3	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4th Ward	1				
4	3	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3d Ward	1				
12	5	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2d Ward	1				
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1st Ward	1				
60	53	103	9	1	7	13	.....	14	1	5	2	4	7	8	30	15	15	15	15	15
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2d Ward	1				
23	6	23	6	6	2	1	2	4	1	1	1	4	3	3	4	1st Ward	1				

TABLE

CAUSES OF DEATH.	Total.....	AGES.													Unascertained.	
		Over 100.....	90 to 100.....	80 to 90.....	70 to 80.....	60 to 70.....	50 to 60.....	40 to 50.....	30 to 40.....	20 to 30.....	15 to 20.....	10 to 15.....	5 to 10.....	2 to 5.....	1 to 2.....	
Laryngitis.....	1															
Lungs, congestion.....	41	13	3	1												
Pleurisy.....	16															
Pneumonia.....	311	41	21	13	8	5	5	29	50	45	45	45	32	9	8	
Pyothorax.....	3													1		
Order 4—Digestive System.																
Bowels, obstruction.....	11	1			1	1			1	1	1	1	1	1	3	
Enteritis.....	123	77	7	3	4	1	4	4	8	6	5	4				
Gastric ulceration.....	1									1						
Gastritis.....	58	18	5			1		3	6	6	11	7	1			
Gastro enteritis.....	4	3										1				
Hematemesis.....	1							1								
Hepatitis.....	22	2							4	2	3	5	6			
Hernia.....	6	1					1	1	2			1				
Icterus.....	1	1														
Invagination.....	2												1		1	
Liver, abscess.....	1								1							
Liver, congestion.....	7	2			1					1		1	1	1	1	
Liver, cirrhosis.....	39			1					1	1	11	11	12	2		
Liver disease.....	23	1							2	2	3	10	4	1		
Peritonitis.....	78	9	2	2	3	2	1	17	13	16	7	5		1		
Tumor, abdominal.....	1											1				
Order 5—Urinary System.																
Bright's disease.....	55	2			1	4		4	6	14	11	7	4	2		
Cystitis, calculus.....	1											1				
Cystitis.....	21					1			1	3	4	2	3	6		
Diabetes.....	14				2			3	1	1	4	2	1			
Kidney disease.....	3									2		1				
Nephritis.....	48	1	1	1		1	1	6	8	9	13	6	1			
Uremia.....	19					1		1	2	4	4	4	3			
Order 6—Generative System.																
Tumor, ovarian.....	4									2	1		1			
Tumor, uterine.....	2								2							
Order 7—Locomotory System.																
Gangrene.....	1											1				
Leg, fracture.....	3											1		1	1	
Order 8—Not Localized.																
Abscess.....	13	1	...	3		1		2	2	2	1	1				
Anthrax.....	3	1							1	1						

MORTUARY STATISTICS.

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No. V—CONTINUED.

TABLE

No. V—CONCLUDED.

FIRST APPENDIX TO TABLE No. V.

MORTALITY BY CLASSES AND ORDERS IN THE DIFFERENT MONTHS.

DISEASES.	Total	1886.											1887.				
		July	August	September	October	November	December	January	February	March	April	May	June	May	April	March	February
All causes.....	5359	437	408	397	425	452	491	522	451	445	450	475	409				
Specified causes.....	4855	386	361	340	363	393	435	475	407	429	422	451	393				
Unascertained causes	504	51	47	54	62	59	56	47	44	16	28	24	16				
CLASSES.																	
I. Zymotic diseases.....	810	76	60	67	76	73	83	76	59	55	62	63	62				
II. Constitutional diseases.....	1056	75	67	72	68	82	95	100	97	116	89	90	105				
III. Local diseases.....	2143	168	170	125	147	160	174	225	176	201	204	231	162				
IV. Developmental diseases.....	574	50	44	52	57	49	53	55	48	40	46	44	38				
V. Violent deaths.....	272	17	20	24	15	29	30	19	29	17	21	25	26				
VI. Unascertained causes	504	51	47	54	60	59	56	47	44	16	28	24	16				
ORDERS—I.																	
1. Miasmatic diseases	721	69	53	57	69	65	79	71	52	46	55	54	51				
2. Enthetic diseases.....	21	2	2	3	2	1	1	1	1	1	1	2	6				
3. Dietic diseases	68	5	5	7	5	7	8	4	4	9	7	7	5				
II.																	
1. Diathetic diseases	210	18	21	15	17	15	20	19	19	19	13	17	17				
2. Tubercular diseases	846	57	46	57	51	67	75	81	78	97	76	73	85				
III. DISEASES OF—																	
1. Nervous system.....	631	58	50	35	43	57	46	65	44	60	57	74	42				
2. Circulatory system.....	341	26	28	18	23	19	22	33	29	43	38	38	24				
3. Respiratory system	541	31	34	25	25	39	57	74	48	55	47	62	44				
4. Digestive system	378	24	34	36	36	31	28	29	23	32	34	37	34				
5. Urinary system	161	18	12	7	13	11	13	19	23	6	18	S	13				
6. Generative system	6	2	2	2	2	2	2	1	1	1	1	1	1				
7. Locomotory system	4	1	1	1	1	1	1	1	1	1	1	1	1				
8. Not localized	81	11	9	4	7	3	8	5	8	3	9	11	3				
IV.																	
1. Diseases of children.....	77	5	8	8	4	8	3	13	11	4	4	5	4				
2. Diseases of women.....	14	.....	.....	1	2	1	1	3	2	2	2	2	2				
3. Diseases of old age	91	4	11	9	10	8	7	12	6	8	8	6	2				
4. Diseases of nutrition.....	39	41	25	35	42	31	42	20	28	26	34	29	30				
V.																	
1. Accident or negligence.....	167	10	13	14	11	15	16	12	20	13	11	19	13				
2. Homicides	27	4	2	2	2	4	4	2	1	1	1	2	2				
3. Suicides	77	3	5	8	2	9	10	5	8	3	9	4	11				
4. Legal execution.....	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
VI.																	
Unascertained.....	504	51	47	54	62	59	56	47	44	16	28	24	16				

SECOND APPENDIX TO TABLE No. V.

MORTALITY BY CLASSES AND ORDERS IN THE DIFFERENT MONTHS,
EXCLUSIVE OF MONGOLIANS.

DISEASES.	Total.....	1886.											1887.				
		July.....	August.....	September.....	October.....	November.....	December.....	January.....	February.....	March.....	April.....	May.....	June.....	.....	.....	.....	.....
All causes.....	4871	398	367	353	385	400	455	482	415	405	400	435	367	.....	.....	.....	.....
Specified causes.....	4722	384	356	337	362	389	431	474	401	404	396	430	359	.....	.....	.....	.....
Unascertained causes.....	149	14	11	16	23	20	25	8	14	1	4	5	8	.....	.....	.....	.....
CLASSES.																	
I. Zymotic diseases.....	793	76	60	66	76	73	83	76	57	54	62	62	58	.....	.....	.....	.....
II. Constitutional diseases.....	1011	75	66	71	68	82	95	100	95	101	83	83	92	.....	.....	.....	.....
III. Local diseases.....	2096	168	169	125	147	160	172	225	174	192	190	220	154	.....	.....	.....	.....
IV. Developmental diseases.....	560	50	43	52	57	49	53	54	48	40	41	41	32	.....	.....	.....	.....
V. Violent deaths.....	252	15	18	23	14	25	27	19	27	17	20	24	23	.....	.....	.....	.....
VI. Unascertained causes.....	149	14	11	16	23	20	25	8	14	1	4	5	8	.....	.....	.....	.....
ORDERS—I.																	
1. Miasmatic diseases.....	718	69	53	57	69	65	79	71	52	45	55	53	50	.....	.....	.....	.....
2. Enthetic diseases.....	17	2	2	2	2	1	1	1	1	1	1	2	4	.....	.....	.....	.....
3. Dietic diseases.....	67	5	5	7	5	7	3	4	4	9	7	7	7	4	.....	.....	.....
II.																	
1. Diathetic diseases.....	210	18	21	15	17	15	20	19	19	19	13	17	17	.....	.....	.....	.....
2. Tubercular diseases.....	801	57	45	56	51	67	75	81	76	82	70	66	75	.....	.....	.....	.....
III. DISEASES OF—																	
1. Nervous system.....	627	58	50	35	43	57	46	65	44	60	54	73	2	.....	.....	.....	.....
2. Circulatory system.....	338	26	28	18	23	19	22	33	29	41	38	37	24	.....	.....	.....	.....
3. Respiratory system.....	512	31	34	25	35	39	56	74	47	48	40	55	38	.....	.....	.....	.....
4. Digestive system.....	372	24	34	36	36	31	28	29	22	32	32	35	33	.....	.....	.....	.....
5. Urinary system.....	158	18	12	7	13	11	12	19	23	6	17	8	12	.....	.....	.....	.....
6. Generative system.....	6	2	.....	.....	.....	.....	.....	1	1	1	1	1	1	1	.....	.....	.....
7. Locomotory system.....	4	1	.....	.....	.....	.....	.....	1	1	1	1	1	1	1	.....	.....	.....
8. Not localized.....	79	11	8	4	7	3	8	5	8	3	8	11	3	3	.....	.....	.....
IV.																	
1. Diseases of children.....	77	5	8	8	8	8	3	13	11	4	4	5	4	4	.....	.....	.....
2. Diseases of women.....	14	.....	.....	1	2	1	1	1	3	2	2	2	2	2	2	2	2
3. Diseases of old age.....	90	4	11	9	10	8	7	12	6	5	5	7	6	7	6	7	2
4. Diseases of nutrition.....	376	41	24	35	35	31	42	28	28	26	30	28	24	24	24	24	24
V.																	
1. Accident or negligence.....	663	9	13	14	11	14	15	12	19	13	11	19	12	12	.....	.....	.....
2. Homicides.....	21	2	1	2	2	3	4	2	1	1	1	1	2	2	2	2	2
3. Suicides.....	63	3	4	1	1	8	8	5	7	3	9	3	10	10	10	10	10
4. Legal executions.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
VI.																	
Unascertained causes.....	149	14	11	16	23	20	25	8	14	1	4	5	8	.....	.....	.....	.....

HEALTH REPORT.

TABLE

TOTAL MORTALITY OF CHINESE DURING

CAUSES OF DEATH.	Total	AGES.												
		Under 1	1 to 2	2 to 5	5 to 10	10 to 15	15 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	? to 80	Unascertained
All causes.....	488	16	11	5	2	5	9	88	175	118	41	11	3	4
Specified causes.....	133	4	4	4	1	2	1	18	55	34	7	4	3	3
Unascertained causes.....	355	12	7	5	1	3	8	70	120	84	34	7	3	1
[CLASSES.]														
I. Zymotic diseases.....	7	1	1	1	4	24	12	1	1	
II. Constitutional diseases.....	45	1	1	1	4	7	14	16	5	1	
III. Local diseases.....	47	2	2	.....	.....	.....	7	5	3	.....	2	.....	
IV. Developmental diseases.....	14	2	1	1	6	8	3	3	
V. Violent deaths.....	20	
VI. Unascertained.....	355	12	7	5	1	3	8	70	120	84	34	7	3	
I.														
Anæmia.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	
Croup.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Erysipelas.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Syphilis.....	3	.....	.....	.....	.....	.....	.....	.....	1	2	.....	.....
Smallpox.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
II.														
Phtisis Pulmonalis.....	44	.....	.....	1	1	1	4	23	12	1	1	.....	
Serofula.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
III.														
Abscess.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	
Apoplexy.....	1	.....	.....	.....	.....	.....	.....	2	4	1	1	.....	
Bronchitis.....	9	1	1	.....	.....	.....	1	1	1	1	1	.....	
Bright's Disease.....	2	.....	.....	.....	.....	.....	1	1	1	1	1	.....	
Bladder, inflammation of.....	1	.....	.....	.....	.....	.....	1	1	1	1	1	.....	
Convulsions, Infantile.....	1	1	1	1	1	1	1	1	1	1	1	1		
Dropsy.....	1	.....	.....	.....	.....	.....	.....	1	1	1	1	1
Gastritis.....	1	.....	.....	.....	.....	.....	1	1	1	1	1	1
Heart Disease, undefined.....	3	.....	.....	.....	.....	.....	1	2	1	1	1	1
Hemoptysis.....	6	.....	.....	.....	.....	.....	1	4	2	2	2	2
Hepatitis.....	4	.....	.....	.....	.....	.....	1	1	1	1	1	1

No. VI.

THE FISCAL YEAR ENDING JUNE 30, 1887.

SEX.	RACE—Mongolian	CITY WARDS.										Nativities.		
		For. Countries					Pacific Coast..							
	Female.	444	44	488	2	4	293	.....	160	.....	1	1	450	38
		123	10	133	.....	4	63	.....	38	.....	1	1	114	19
	Male.	321	34	355	2	.....	230	.....	122	.....	.....	.....	336	19
		7	4	45	.....	.....	.....	1	3	.....	.....	3	4	
		41	4	47	.....	3	28	.....	12	.....	1	1	43	3
		43	4	47	.....	1	27	.....	18	.....	.....	1	11	6
		14	2	14	.....	.....	7	.....	5	.....	.....	2	9	8
		18	2	20	.....	.....	.....	.....	.....	.....	1	4	336	12
		321	34	355	2	.....	230	.....	122	.....	.....	.....	19	19
		1	1	1	.....	.....	1	.....	1	.....	.....	1	1	1
		1	1	1	.....	.....	.....	1	2	.....	.....	1	3	1
		1	3	3	.....	.....	.....	.....	.....	.....	.....	1	1	1
		1	1	1	.....	.....	.....	1	.....	.....	.....	1	1	1
		40	4	40	.....	3	27	.....	12	.....	1	.....	1	44
		1	1	1	.....	1	1	.....	5	.....	.....	1	1	1
		1	8	9	.....	.....	4	.....	5	.....	.....	8	2	1
		1	1	2	.....	1	1	.....	.....	.....	.....	1	1	3
		1	1	1	.....	.....	1	.....	.....	.....	.....	1	1	3
		2	1	3	3	1	1	6
		1	1	1	1	1	1	1	4
		1	3	3	2	1	1	1	6
		3	6	6	3	2	1	1	4
		4	4	4	2	2	1	1	4

TABLE No. VI

MORTUARY STATISTICS.

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—CONCLUDED.

		CITY WARDS.									
SEX.	RACE—Mongolian...	Nativities.					Pacific Coast...				
		For Countries		Homesteads		Suicides		Casualties		Public Institutions	
Male.....	Female.....	2	11	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1
11	11	2	11	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1
2	2	1	1	1	1	1	1	1	1	1	1
11	11	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1
321	34	355	2	230	122						336
1	1	1	1	1	1						12

APPENDIX TO TABLE No. VI—CHINESE.

MORTALITY OF CHINESE BY CLASSES IN THE DIFFERENT MONTHS.

CAUSES OF DEATH.	Total.....	1886.						1887.					
		July.....	August.....	September.....	October.....	November.....	December.....	January.....	February.....	March.....	April.....	May.....	June.....
All causes.....	488	39	41	41	40	43	36	40	36	40	50	40	42
Specified causes.....	133	2	5	3	1	4	5	1	6	25	27	26	34
Unascertained causes.....	355	37	36	38	39	39	31	39	30	15	24	19	8
CLASSES.													
I. Zymotic diseases.....	7	.....	.....	1	.....	.....	.....	.....	.....	1	.....	1	4
II. Constitutional diseases...	45	.....	1	1	.....	.....	.....	.....	2	15	6	7	13
III. Local diseases.....	47	.....	1	.....	.....	.....	2	.....	2	9	15	11	8
IV. Developmental diseases ..	14	.....	1	.....	.....	.....	.....	1	.....	5	1	6	
V. Violent deaths.....	20	2	2	1	1	4	3	.....	2	.....	1	1	3
VI. Unascertained causes....	355	37	36	38	39	39	31	39	30	15	24	19	8
Totals	488	39	41	41	40	43	35	40	36	40	50	40	42

TABLE No. VII.

MORTALITY IN SAN FRANCISCO FOR TWENTY YEARS, ARRANGED ACCORDING
TO CLASSES (MONGOLIANS).

FISCAL YEARS.	CAUSES OF DEATH.						Total
	Zymotic Diseases.	Constitu-tional Diseases.	Local Diseases.	Develop-mental Diseases.	Violent Deaths.	Unascer-tained Causes.	
1867-68	28	13	35	10	.....	81	167
1868-69	60	60	42	44	12	6	224
1869-70	25	77	62	21	8	27	220
1870-71	45	96	71	21	11	51	295
1871-72	48	122	46	18	16	109	359
1872-73	25	71	17	2	12	278	405
1873-74	20	99	19	12	12	303	465
1874-75	6	48	11	9	16	368	453
1875-76	28	67	13	11	22	468	609
1876-77	81	35	7	13	41	438	615
1877-78	7	39	20	23	31	407	527
1878-79	3	120	16	17	21	346	523
1879-80	10	122	54	22	35	224	467
1880-81	18	140	33	13	15	260	479
1881-82	26	149	207	27	23	95	527
1882-83	31	195	227	20	21	64	558
1883-84	31	216	201	26	17	11	502
1884-85	50	55	221	24	19	101	470
1885-86	22	18	156	15	22	220	462
1886-87	7	45	47	14	20	355	488

HEALTH REPORT.

TABLE No. VIII.

ESTIMATED POPULATION, DEATHS AND DEATH RATE OF SAN FRANCISCO FOR TWENTY YEARS (MONGOLIAN).

FISCAL YEARS.	ESTIMATED POPULATION.	DEATHS.	PER CENT. PER 1,000.
1867-68.....	4,000	167	41.75
1868-69.....	4,000*	224	56.00
1869-70.....	8,600†	220	25.58
1870-71.....	9,000*	295	32.78
1871-72.....	10,000*	359	35.90
1872-73.....	12,000*	405	33.75
1873-74.....	14,500*	465	32.06
1874-75.....	19,000*	453	23.84
1875-76.....	30,000*	609	20.30
1876-77.....	30,000*	615	20.50
1877-78.....	30,000*	527	17.56
1878-79.....	30,000*	523	17.42
1879-80.....	22,000†	467	21.02
1880-81.....	22,000†	479	21.77
1881-82.....	22,000	527	23.09
1882-83.....	22,000	558	25.36
1883-84.....	22,000	502	22.81
1884-85.....	22,000	470	21.36
1885-86.....	22,000	462	21.
1886-87.....	22,000	488	22.18

*According to Langley's City Directory.

†U. S. Census returns.

TABLE No. IX.

SEX, RACE AND NATIONALITY OF DECEDENTS.

SEX, RACE AND NATIVITIES.	Total	Chinese	White and Black	1886.						1887.					
				December	January	February	March	April	May	June	July	August	September	October	November
SEX.															
Males	2868	444	2312	259	253	256	259	277	301	331	282	254	309	299	233
Females.....	2003	44	2047	178	155	138	166	175	190	191	169	191	141	176	176
RACE.															
White.....	4826	....	4826	392	365	349	384	406	454	477	411	299	307	431	363
Chinese.....	488	488	488	39	41	41	40	43	35	40	36	40	51	40	42
Black.....	45	....	45	6	2	4	1	3	2	5	4	6	3	4	11
NATIVITIES.															
Foreign	2052	438	2540	176	196	189	207	212	241	240	230	203	339	201	200
Atlantic States.....	818	59	61	64	60	68	78	80	67	86	61	94	56		
Pacific Coast.....	1819	38	1857	191	140	131	151	162	154	179	146	148	138	164	144
Unascertained.....	..	..	144	11	11	10	7	10	18	23	8	8	12	16	9
Total.....				437	408	394	425	452	491	522	451	445	450	475	

TABLE No. X.

AGES OF DECEDENTS IN THE DIFFERENT MONTHS.

TABLE No. XI.

LOCALITIES OF MORTALITY FOR EACH MONTH.

TABLE No. XII.
MONTHLY DISTRIBUTION OF MORTALITY.

WARDS, PUBLIC INSTITUTIONS AND VIOLENT DEATHS.	Total.....	1886.						1887.					
		July.....	August.....	September.....	October	November.....	December.....	January.....	February.....	March.....	April.....	May.....	June.....
City Wards	4022	231	310	275	336	340	365	398	334	340	326	356	311
Ainshouse.....	105	5	4	9	8	13	8	10	7	11	10	13	7
County Jail.....	3				2	1							
City and County Hospital.....	367	34	25	35	26	23	33	37	34	32	37	26	25
City Receiving Hospital.....	16	1	3	4			1	2	1		2	2	
Twenty-sixth Street Hospital.....	2												2
U. S. Marine Hospital	41	4	4	3	3	1	4	5	4	2	4	6	1
French Hospital.....	45	2	4	2	4	3	6	5	2	4	4	0	3
German Hospital	109	12	4	10	8	8	11	11	7	11	10	9	8
Homeopathic Hospital	1												1
S. F. Female Hospital.....	2	1			1								
St. Mary's Hospital	105	9	8	7	7	11	10	17	6	4	13	8	5
House of Correction	3								1				
Foundling Asylums.....	58	6	6	6	4	3	9	8	6	2	1	4	3
Magdalen Asylum													
Mt. St. Joseph's Asylum	160	10	14	19	9	17	10	5	16	16	15	16	13
Catholic Orphan Asylum	5	1	1				1	1					
Hebrew Orphan Asylum													
Industrial School.....													
Home of Inebriates.....	7	1			1	1			1	1	1	1	1
Children's Hospital.....	2								1				1
California Women's Hospital.....													
St. Luke's Hospital	19	2	3		1	3	1	2	1	3	2		1
Old Ladies' Home	1						1						
Old People's Home	11	1	2				1	1	1	1	4		
Casualties.....	167	10	13	14	11	15	16	12	20	13	11	19	13
Suicides.....	77	3	5	8	2	9	10	5	8	3	9	4	11
Homicides.....	27	4	2	2	2	4	4	2	1	1	1	2	2
Totals.....	5359	437	408	394	425	452	491	522	451	445	450	475	409

TABLE No. XIII.

MONTHLY DISTRIBUTION OF MORTALITY FROM ZYMIC DISEASES.

CAUSES OF DEATH.	1886.												1887.				
	January	February	March	April	May	June	July	August	September	October	November	December	Total	Chinese	White and Black		
Anæmia.....	17	1	18	1	2	3	1	2	2	3	1	1	2	4	1	1	1
Alcoholism.....	50	50	4	5	5	4	2	4	2	3	1	1	2	6	6	2	2
Cholera Infantum..	88	88	29	9	12	6	2	3	1	3	1	1	1	4	1	1	1
Cholera Morbus..	3	3	.....	.....	1	.....	.....	.....	1	.....	.....	.....	2	3	2	3	2
Cerebro-sp. Mening..	20	20	1	2	2	4	11	.....	2	3	1	1	2	3	2	3	3
Croup.....	76	1	77	5	4	5	7	10	11	9	10	5	5	5	5	1	4
Diarrhoea.....	27	27	6	6	2	1	3	.....	.....	.....	.....	2	2	1	2	1	4
Diphtheria.....	247	247	3	8	12	18	30	42	40	20	15	26	26	22	22	22	22
Dysentery.....	11	11	.....	.....	1	2	1	.....	1	1	1	1	1	1	2	1	1
Erysipelas.....	9	1	10	.....	.....	2	1	1	1	1	1	1	1	1	1	1	1
Fever, Typhus.....	1	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
Fever, Typhoid.....	145	145	12	19	13	21	11	13	13	9	9	9	6	11	11	11	11
Fever, Remittent.....	2	2	1	.....	1	.....	.....	.....	.....	.....	.....	.....	1	1	1	1	1
Fever, Malaria.....	4	4	1	1	1	1	1	1	1	1	1	1	.....	.....	.....	.....	.....
Measles.....	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1
Pertussis.....	18	18	4	2	2	2	1	.....	.....	3	2	1	1	1	1	3	3
Pyæmia.....	28	28	0	5	4	1	.....	.....	.....	2	2	1	1	2	2	3	2
Scarlatina.....	9	9	0	.....	.....	1	2	1	1	1	1	1	2	2	1	1	1
Septicaemia.....	26	26	1	.....	5	4	3	3	2	3	2	3	2	2	2	2	1
Smallpox.....	1	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2
Syphilis.....	17	3	21	2	2	3	2	1	1	1	1	1	1	1	1	1	2
Pur. Hæmorrhagica.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Parotitis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals	803	7	810	76	60	67	76	73	83	76	57	55	62	63	63	63	63

HEALTH REPORT.

TABLE No. XIV.

STATEMENT OF MARRIAGES, BIRTHS AND MORTALITY FOR FISCAL YEARS
1885-86 AND 1886-87.

MONTHS.				MONTHS.			
	Deaths registered	Births registered	Mariages		Deaths registered	Births registered	Mariages
1885—July.....	234	149	458	1886—July	237	113	437
August.....	242	114	455		229	113	408
September.....	240	136	415		267	180	394
October.....	254	101	432		249	129	425
November.....	200	147	421		264	99	452
December.....	235	123	521		244	93	491
209	130	519	255		117	522	
202	112	382	233		67	451	
215	136	479	209		108	445	
190	113	418	247		102	450	
194	114	435	250		121	475	
June.....	236	129	397		293	104	499
Total.....	2651	1504	5322	Total.....	2977	1346	5359

TABLE No. XV.

BIRTHS, MARRIAGES, DEATHS AND POPULATION FOR THE LAST TWENTY
YEARS.

YEARS.	Births Registered.	Marriages Registered.	Deaths Registered.	Population.
1867-68.....	.....	1,806	2,577	131,100
1868-69.....	.....	2,156	4,093	147,950
1869-70.....	378	2,121	3,243	170,250
1870-71.....	403	1,957	3,214	172,750
1871-72.....	511	1,880	2,998	178,276
1872-73.....	529	2,005	3,641	188,323
1873-74.....	580	2,082	4,013	200,770
1874-75.....	563	2,263	4,163	230,132
1875-76.....	630	2,464	4,791	272,345
1876-77.....	811	2,488	6,170	300,000
1877-78.....	1,056	2,355	4,077	30,000
1878-79.....	1,504	2,240	4,493	305,000
1879-80.....	1,349	2,183	4,340	233,700
1880-81.....	1,289	2,392	4,287	234,520
1881-82.....	2,227	2,605	5,008	234,520
1882-83.....	1,667	2,686	4,988	250,000
1883-84.....	1,791	2,759	5,000	270,000
1884-85.....	1,278	2,804	5,288	270,000
1885-86.....	1,504	2,651	5,322	280,000
1886-87.....	1,346	2,977	5,359	300,000

HEALTH REPORT.

TABLE No. XVI.

INTERMENT, DISINTERMENT AND REMOVAL PERMITS ISSUED DURING THE FISCAL YEAR 1886-87.

INTERMENTS.	1886.											1887.					
	January	February	March	April	May	June	July	August	September	October	November	December	January	February	March	April	May
Calvary.....	2070	174	179	161	160	199	192	165	166	185	161	174	154				
City.....	1176	78	65	64	101	112	102	123	102	104	119	109	97				
Giboth Olem.....	83	8	2	4	9	9	6	9	7	5	5	10	9				
Hore of Peace.....	80	6	6	6	7	4	5	10	9	12	4	7	4				
I. O. O. F.....	1124	76	75	75	86	116	106	116	92	102	76	112	92				
Laurel Hill.....	512	40	41	37	40	45	44	33	34	38	49	61	50				
Masonic.....	421	35	44	33	34	28	24	44	38	35	40	36	30				
Mission Dolores.....	33	6	5	....	3	4	2	3	1	2	3	1	3				
Presidio Reservation.....	19	....	1	1	1	1	1	2	....	....	....	1	2	10			
U. S. Marine.....	27	4	2	1	1	1	1	3	1	2	1	4	6	1			
Outside of county.....	299	24	22	20	25	17	21	24	27	28	35	25	31				
Removals in transit.....	47	7	10	2	2	3	3	2	3	3	4	5	3				
R. A. P.....	56	6	3	2	7	3	9	4	6	2	8	4	2				
Private.....	....	....	....	....	....	....	....	....	....	....	....	....	....
Totals.....	5947	462	457	406	476	541	418	536	487	523	509	552	486				
Disinterments.....	746	10	16	25	65	50	11	3	13	17	50	36	447				

TABLE No. XVII.

NUMBER OF BIRTHS DURING THE YEAR ENDING JUNE 30, 1887, AS REPORTED BY CHIEF CENSUS MARSHAL, BY WARDS, ETC.

WARDS.	BOYS.	GIRLS.	TOTAL.
First Ward.....	59	71	130
Second Ward.....	199	208	407
Third Ward	6	7	13
Fourth Ward.....	80	57	137
Fifth Ward.....	12	3	15
Sixth Ward.....	72	55	127
Seventh Ward.....	17	18	35
Eighth Ward.....	75	77	152
Ninth Ward.....	82	96	178
Tenth Ward.....	131	133	269
Eleventh Ward.....	316	287	603
Twelfth Ward.....	268	312	580
Total.....	1,317	1,329	2,646

TABLE

REPORT OF DEATHS REGISTERED IN SAN

MONTHS.	Total.....	AGES.												SEX.					
		Male.....	Female.....	Unascertained	Over 100.....	90 to 100.....	80 to 90.....	70 to 80.....	60 to 70.....	50 to 60.....	40 to 50.....	30 to 40.....	20 to 30.....	10 to 20.....	5 to 10.....	2 to 5.....	1 to 2.....	Under 1.....	
January.....	519	82	25	33	21	9	10	51	74	68	66	40	27	11	...	...	2	320	199
February.....	382	50	19	26	12	7	10	43	62	42	46	35	17	11	...	1	1	240	142
March.....	479	83	14	32	21	4	9	48	65	61	73	41	21	6	...	...	1	293	186
April.....	418	68	25	17	16	11	15	49	63	53	39	31	20	9	2	...	...	240	169
May.....	435	92	17	25	15	4	8	54	45	52	59	43	15	6	...	...	...	280	155
June.....	397	91	17	19	8	10	10	36	51	47	50	31	15	5	2	...	5	248	149
July.....	437	117	9	21	15	9	14	59	49	52	43	27	16	4	1	...	1	259	178
August.....	408	81	18	13	11	8	10	51	55	38	52	39	19	10	2	...	1	253	155
September.....	394	82	19	15	12	3	14	49	53	55	42	31	14	3	...	2	256	138	
October.....	425	67	10	23	19	9	7	45	73	56	52	33	17	6	3	...	2	250	166
November.....	452	74	15	35	13	7	15	47	56	63	57	35	25	6	2	...	2	277	175
December.....	491	66	15	40	25	3	10	49	73	70	62	37	27	9	1	...	4	301	190
Total.....	5237	953	203	299	188	84	142	584	709	657	641	423	233	86	13	1	21	3283	2002

MORTUARY STATISTICS.

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No. XVIII.

FRANCISCO DURING THE CALENDAR YEAR 1886.

RACE.	WARDS.										NATIONALITIES.												
	Public Institutions..	12th Ward...	11th Ward...	10th Ward...	9th Ward...	8th Ward...	7th Ward...	6th Ward...	5th Ward...	4th Ward...	3d Ward...	2d Ward...	1st Ward...	Pacific Coast.....	Atlantic States.....	Foreign Countries..	Homeless.....	Suicides.....	Casualties.....				
African.....	479	40	....	15	37	5	45	1	25	6	29	35	45	99	51	106	12	5	3	234	\$0	189	16
Mongolian.....	347	33	2	8	19	3	30	2	20	12	17	25	33	73	41	71	21	4	3	180	68	127	7
Caucasian.....	428	45	6	5	32	4	41	1	19	11	18	39	48	87	48	102	13	9	2	207	95	174	3
	372	42	4	12	24	4	44	1	16	24	19	28	25	78	48	76	10	8	1	189	66	154	9
	387	44	4	12	32	3	49	...	24	9	26	32	50	63	47	61	15	10	2	192	68	167	8
	352	43	2	5	27	1	38	2	21	12	12	33	35	59	47	81	17	6	1	179	50	159	9
	392	39	6	10	23	7	39	4	27	15	19	22	43	78	44	89	10	3	4	176	59	191	11
	365	41	2	4	30	3	41	12	18	17	25	27	39	58	36	78	3	5	2	196	61	140	11
	349	41	4	6	24	1	41	2	17	9	15	20	28	69	43	95	14	8	2	189	64	131	10
	384	40	1	4	29	...	37	1	25	10	21	32	31	91	45	84	11	2	2	207	60	151	7
	406	43	3	12	24	1	40	1	16	21	15	29	41	89	51	84	15	9	4	212	68	162	10
	454	35	2	10	26	1	35	4	20	20	23	43	38	91	54	96	16	10	4	241	78	154	18
	4715	486	36	103	327	33	480	31	248	166	239	365	456	935	555	1023	167	79	30	2402	817	1899	119

TABLE

METEOROLOGICAL OBSERVATIONS TAKEN AT THE SIGNAL OFFICE

MONTH	* BAROMETER.			TEMPERATURE.			
	Highest.	Lowest.	Monthly Average	†Maximum.	†Minimum.	Monthly Average.	Average Dew Point.
1886.							
July	30.115	29.768	29.925	67.7	52.9	50.1	51.5
August	30.077	29.761	29.906	84.6	48.	48.5	52.5
September	30.050	29.784	29.923	93.9	50.1	60.5	51.6
October	30.292	29.841	30.051	78.9	46.0	57.1	49.1
November	30.356	29.669	30.153	75.0	45.0	55.1	43.1
December	30.381	29.869	30.170	66.0	43.3	53.1	47.7
1887.							
January	30.545	29.780	30.183	72.9	41.5	51.8	43.4
February	30.417	29.578	30.038	67.0	33.1	47.0	39.2
March	30.332	29.919	30.134	78.0	45.0	54.3	45.8
April	30.299	29.745	30.039	78.5	43.7	54.5	44.7
May	30.30	29.80	30.23	96.9	45.6	55.8	47.4
June	30.07	29.61	29.894	90.0	48.5	58.0	49.7
Mean	30.269	29.762	30.053	79.1	45.2	55.4	47.1

*Barometer corrected for temperature and above sea level (60 feet).

No. XIX.

SAN FRANCISCO, CAL., DURING THE YEAR ENDING JUNE 30, 1887.

RELATIVE HUMIDITY—PER CENT.			WINDS.			AVERAGE.	RAIN.
Highest.	Lowest.	Monthly Average.	Prevailing Direction.	†Maxim'm Hourly Vel., Miles	†Average Hourly Vel., Miles	Weather.	Inches.
95	42	77.3	W.....	32	12.1	Fair.....	.23
99	44	82.1	W.....	34	11.8	Fair.....	.06
99	24	75.8	W.....	31	8.8	Fair.....	.01
100	34	76.7	W.....	28	7.3	Fair.....	1.48
99	21	67.1	N.....	30	6.9	Clear.....	.84
97	48	82.4	N.....	20	5.3	Fair.....	2.07
99	40	24.3	N. W....	32	6.3	Fair.....	1.90
98	31	75.7	N. W....	28	7.3	Fair.....	9.24
98	34	75.0	W.....	28	7.9	Fair.....	.84
98	32	71.6	W.....	32	10.0	Fair.....	2.30
96	25	75.4	W.....	32	11.1	Fair.....	.06
97	32	75.5	W.....	36	12.6	Fair.....	.07
97	33	71.5	W.....	30	8.9	Fair.....	1.58

† Self-registering instruments.

HEALTH REPORT,

TABLE No. XX.
SECRETARY'S FINANCIAL REPORT
OF SALARIES PAID IN HEALTH DEPARTMENT FOR THE YEAR ENDING JUNE 30, 1887.

MONTHS.	Health Office.	City and County Hospital.	City and County Almshouse.	Smallpox Hospital.	Quarantine Department.	City Physician's Department.	Visit'g Physician Industrial School.	Superintendent City Cemetery.	Inspector Vaults and Disinterm'tns paid out of Dis-interment Fund.	Total.
										\$1,500 00
1886—July		\$1,500 00	\$2,407 00	\$1,160 00	\$75 00	\$145 00	\$270 00	\$7 00	\$75 00	\$100 00
August		1,500 00	2,407 00	1,160 00	75 00	445 00	250 00	75 00	75 00	100 00
September		1,500 00	2,404 35	1,160 00	75 00	445 00	250 00	75 00	75 00	100 00
October		1,500 00	2,475 35	1,160 00	75 00	445 00	250 00	75 00	75 00	100 00
November		1,500 00	2,457 00	1,160 00	75 00	445 0	250 00	75 00	75 00	100 00
December		1,500 00	2,450 55	1,160 00	75 00	445 00	250 00	75 00	75 00	100 00
1887—January		1,500 00	2,507 00	1,160 00	75 00	445 00	250 00	75 00	75 00	100 00
February		1,500 00	2,507 00	1,160 00	75 00	445 00	250 00	75 00	75 00	100 00
March		1,500 00	2,487 00	1,160 00	225 00	425 00	250 00	75 00	75 00	100 00
April		1,500 00	2,487 00	1,270 00	225 00	445 00	250 00	75 00	75 00	100 00
May		1,500 00	2,467 00	1,210 00	215 00	445 00	250 00	75 00	75 00	100 00
June		1,500 00	2,509 65	1,290 00	266 75	445 00	250 00	75 00	75 00	100 00
Total		\$18,000 00	\$29,585 90	\$14,149 00	[\$1,531 75]	\$3320 00	\$3030 00	\$900 00	\$750 00	\$1,200 00

CYRIL WILLIAMS,

Secretary Health Department.

MORTUARY STATISTICS.

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TABLE No. XXI.
SECRETARY'S FINANCIAL REPORT
OF THE EXPENSES OF THE HEALTH OFFICE FOR FISCAL YEAR ENDING JUNE 30, 1887.

Month ^s	Salaries.....	Horse-keeping..	Vaccine Virus...	Books, Stationery and Printing.....	Stamps, Newspapers, etc.....	Fumigating Material.....	Office Telephone	Expert examining Books, City and County Hospital.....	Repairing Buggy, Plumbing Insp'r	Incidental Expenses	Total.....	
\$1,500.00	\$80.00	\$21.25		\$15.00	\$20.00	\$6.34					\$1,632.50	
1,500.00	70.00	76.25		15.00	20.00	6.30					1,687.55	
1,500.00	70.00	70.00		17.50	20.00	6.12					1,613.62	
1,500.00	70.00	22.50		15.00	20.00	6.57					1,634.07	
1,500.00	70.00	70.00		20.00	20.00	6.70					1,650.36	
1,500.00	71.00	71.00	\$16.70	73.50	20.00	6.57	\$35.00				\$35.20	
1,500.00	70.00	35.00		33.00	20.00	5.94	52.50				1,746.97	
1,500.00	70.00	24.05		24.05	10.00	25.00	7.20	33.00			1,716.44	
1,500.00	70.00	23.25		23.25	10.00	5.94	85.00				1,669.25	
1,500.00	70.00	125.00		28.25	12.60	6.43	23.00				1,834.19	
1,500.00	70.00	31.25		96.80	73.50	8.23	22.00				1,742.28	
1,500.00	70.00	56.25	20.90	254.84	90.12	8.28	22.00				1,779.78	
Totals.....	\$18,000.00	\$840.00	\$452.60	\$37.60	\$616.19	\$150.00	\$334.77	\$80.62	\$140.50	\$30.00	\$22.50	
Receipts from disbursements.....												\$7,020.00
Salary Inspector.....												1,200.00
Balance at credit Disinterment Fund.....												\$5,820.00

CYRIL WILLIAMS,
Secretary Health Department.

REPORT OF PLUMBING AND DRAINAGE INSPECTOR.

SAN FRANCISCO, July 1, 1887.

To *J. L. Meares, M. D.,*

Health Officer of the City and County of San Francisco:

SIR: I herewith present the following report as Inspector of Plumbing and Drainage for the fiscal year ending June 30, 1887.

During the past year I have issued permits for plumbing and drainage for one thousand and sixty-seven (1,067) buildings, showing a decrease of two hundred and thirty-four (234) as compared to the number issued last year. The principal decrease is in the number of private residences, which shows one hundred and fifty (150) less than the year 1886. I have received eight hundred and forty-five (845) plans, showing the plumbing and drainage of one thousand and sixty-seven (1,067) buildings, a decrease of one hundred and fifty-five (155) plans from the number received last year.

I have made one thousand and seventy-nine (1,079) first inspections, and one thousand and eighty-one (1,081) final inspections. The latter includes a number of buildings in course of erection but not complete when I made my last report.

The following classification will show the purpose for which the buildings were erected:

Private residences.....	527
Apartment houses for two families (flats).....	169
Apartment houses for three families (flats)	30
Apartment houses for four families (flats)	6
Apartment houses for six families (flats).....	4
Apartment houses for eight families (flats).....	1
Factories.....	8
Private schools.....	1
Churches.....	3
Boarding-houses or hotels.....	5
Society halls.....	1
Laundries.....	2
Stores.....	17
Stores and dwellings.....	127
Stores and ware-houses.....	6

Stores and offices.....	11
Stores and lodging-houses.....	30
Stables and dwellings.....	4
Stables.....	3
Hospitals (private).....	3
Theatres.....	1
Public bath-house.....	1
Ware-houses.....	5
Alterations and additions to old buildings.....	109
Total.....	1,067

Yours respectfully,

J. E. SWEENEY,
Inspector of Plumbing and Drainage.

LIST OF MASTER PLUMBERS.

MASTER PLUMBERS.	ADDRESS.	MASTER PLUMBERS.	ADDRESS.
Ahlbach, Jacob.....	1506 Folsom.	Cavagnaro, J.	739 Broadway.
Adams, Lorenzo O.....	432 Twenty-seventh.	Clark, Thomas F.	611 McAllister.
Ambrose, J. T.	710 Natoma.	Cline, William.....	2606 Sacramento.
Bailey, Thomas J.	542 Hayes.	Connor, John H.	528 Third.
Baumsteiger, A.	1602 Post.	Cosgrove, John T.	222½ Fulton.
Bertram, Joseph.....	219 Eleventh.	Croall, James.....	2107 Mason.
Bohn, John.....	112 Seventh.	Crosthwaite, M. H.	Fifth av. nr. Lobos.
Bordwell, Albert Berry.....	1723 Eddy.	Crowley, George.....	230 Sixth.
Blaeckman, Morris J.	2516 Sutter.	Culley, John P.	100 Tehama.
Butler, Joseph F.	435 Hayes.	Cusick, James E.	939 Mission.
Bush, David.....	2313 Sutter.	Daniel, William L.	407 Hyde.
Bush, H. T.	100 Webster.	Dallemand, George C.	1528 Polk.
Butterworth, John B.	722 Bay.	Demers, Ensebe	1429½ Mission.
Butterworth, J. W.	1139 Folsom.	Doherty, J.	1519 Jackson.
Cadman, Charles K.	1214 Polk.	Dodge, Henry W.	439 O'Farrell.
Caulfield, Henry.....	228 Ritch.	Downes, Charles.....	2228 Mission.

LIST OF MASTER PLUMBERS—CONTINUED.

MASTER PLUMBERS.	ADDRESS.	MASTER PLUMBERS.	ADDRESS.
Debois, W. E.	2531 Market.	Martin, David M.	1510½ Powell.
Duffey, George F.	20 ½ Market.	Meehan, Charles.	622 Green.
Ebright, William.	1115 Devisadero.	Mennings, G.	612 Octavia.
Ernst, Henry.	1008 Jackson.	Monaghan, Thomas H.	1432 California.
Ertola, Andrea.	1513 Dupont.	Noonan, John.	268 Minna.
Farrell, Thomas J.	31 California.	O'Brien, Patrick R.	163 Perry.
Fitzpatrick, P. D.	1325½ Vallejo.	O'Donnell, James W.	1718 B. Vis. av. Ala.
Ford, James F.	404 McAllister.	O'Donnell, T. J.	542 Hayes.
Ford, Thomas J.	404 McAllister.	Peterson, Sibert.	615 Larkin.
Forsyth, W. C.	Alameda.	Pinck, Ernest.	3 Chatham place.
Fritz, E. N.	2526½ Mission.	Platz, Joseph.	2529 Pine.
Gordon, Patrick.	527½ Geary.	Pothoff, W. S.	1049 Mission.
Gray, John Thomas.	1 Webster.	Raisch, Fred.	1525 Howard.
Groom, Joseph P.	133 Fair Oaks.	Reilly, C. J.	607 Chestnut.
Hahn, Andrew J.	1807 Powell.	Reinholdt, J. D.	1307 Buchanan.
Harrigan, Michael J.	1612 Leavenworth.	Rice, Richard.	Oakland nd.
Healey, Timothy J.	11 ½ Florida.	Richardson, James.	620 Seventeenth.
Hobro, William D.	2313 Clay.	Riley, James.	1221 Valencia.
Hufschmidt, Henry.	623 Golden Gate av.	Robertson, Joshua H.	139 Hancock.
Humphreys, George.	620 Gough.	Ross, Thomas.	316 Bush.
Ickelheimer, Samuel.	634 Geary.	Rehn, Charles.	214 Sixteenth.
Ingram, John W.	154 Folsom.	Ruddock, Andrew J.	117 Ivy ave.
Iredale, Chas. W.	1155 Folsom.	Rustemeyer, W. J.	2333 Mission.
Kane, Michael J.	15 Moss.	Shafer, Francis J.	1811 Steiner.
Kearns, Thomas.	43 Lapidure.	Shepard, James.	Railroad av. and 15th
Keegan, James.	47 Tehama.	Shepard, William.	Railroad av. and 15th
Kenny, George G.	601 Fell.	Snook, Edgar N.	726 California.
Koch, Frederick.	1063 Howard.	Snook, William S.	1678 Taylor.
Krauss, Edmund.	49 Rich.	Vance, R. A.	1224 Haight.
Lane, William Edmund.	509 Kearny.	Varley, Joseph Hartley.	522 Pine.
Lasswell, M. D.	43 Russ.	Ward, Patrick F.	216 Twenty-fourth.
Linehan, James H.	1804½ Bush.	Waters, J. P.	733 Seventeenth.
Lippert, Otto H.	1311½ Kearny.	Wicks, W. J.	434 Clementina.
Lynch, Timothy.	818 Howard.	Welch, Joseph D.	1223 Webster.
McCarthy, Chas. P.	1219 Fillmore.	Williamson, Henry.	227 Chattanooga.
McClosky, James.	120 Nineteenth.	Wilson, E. V.	1508 Octavia.
McCormick, John F.	1510 Devisadero.	Wilson, William F.	1231 Turk.
McIntyre, William.	212 Sutter.	Wolfe, Edward.	1929 Geary.
Maddern, Henry.	311 Third, Oakland.	Wrin, M. J.	19 Fair avenue.
Manning, Thomas M.	1819 Battery.		

LIST OF JOURNEYMAN PLUMBERS.

JOURNEYMAN PLUMBERS.	ADDRESS.	JOURNEYMAN PLUMBERS.	ADDRESS.
Ahlert, Feldy W.....	554 Natoma.	Fisher, Moses.....	911 Howard.
Allen, Fred'k C.....	227 Second.	Flood, Joseph.....	228 Noe.
Anderson, Charles E.....	435 Jessie.	Frank, Joseph C.....	1908 California.
Baxter, Charles.....	4 Russ.	Forsyth, Edward.....	726 Octavia.
Bell, John.....	1015 Guerrero.	Gallagher, Joseph.....	103 San Jose ave.
Berkhout, P.....	830 Greenwich.	Gray, W. J.....	1 Webster.
Berwick, David.....	Alameda.	Guthrie, George.....	673 25th, Oakland.
Bootz, Henry.....	Baldwin Hotel.	Hammond, Wm. T.....	1700 Jones.
Boucher, L.....	1511½ Market.	Hanna, James L.....	Florida nr. 24th.
Boyle, Edward D.....	420 Tehama.	Hart, Michael.....	627 Broadway,
Brady, Edward.....	1215½ Folsom.	Henrici, William.....	302 Herman.
Britt, James E.....	1191½ Harrison.	Hogan, Edward.....	210 7th, Oakland.
Broad, J. F.....	1325 Vallejo.	Horgan, Thomas E.....	421 Valencia.
Bush, Eugene.....	525 Pine.	Johnson, Patrick J.....	2005 Larkin.
Carr, Joseph J.....	441 Dolores.	Kaskell, Gus.....	310½ Sixth.
Carr, William F.....	303 Austin.	Kearny, Patrick W.....	46 Silver.
Cahill, John P.....	Oakland.	Keating, T. W.....	2205 Mission.
Cardiff, Richard Joseph.....	319 Tehama.	Kelly, Frank.....	1208 Green.
Clark, George.....	412 Fell.	Kilday, William J.....	1138 Howard.
Clark, Joseph.....	603 Dolores.	King, J. D.....	326 Jessie.
Carrick, Thomas.....	1313 Twenty-fourth.	Lawton, John J.....	415 Fulton.
Colvin, James.....	1915 Jessie.	Layton, John.....	805 Grove
Colton, James.....	110½ Dore.	Levison, Isaac M.....	519 Franklin.
Coffrey, John Francis.....	46½ Natoma.	McGoy, Arthur.....	137 Third.
Cook, Charles.....	935 Mission.	McDevitt, Andrew.....	106 Freelon.
Cox, Joseph A.....	512 Howard.	McCarthy, Charles.....	1704 Leavenworth.
Cowap, S. L.....	37 Madison ave.	McGowan, John T.....	9 William.
Dalton, H.....	130 Ivy ave.	Mayer, Charles.....	514 Leavenworth.
Daly, Daniel J.....	23 Linden ave.	Meehan, Ulysses.....	322 Green.
Doheny, William.....	155 Sanchez	Moore, John J.....	1505 Franklin.
Doran, Charles.....	526 Natoma.	Moenning, Emil.....	614 Octavia.
Dowling, William J.....	1507 Stevenson.	Meyer, Samuel.....	1421 Sacramento.
Doyle, James Peter.....	241 Sixth.	Murphy, J. W.....	1126 Market.
Dunbar, Gus.....	427 Franklin.	Murphy, Michael.....	114½ Langton.
Dunn, William.....	37 Louisia.	Noonan, James.....	950 Folsom.
Eccles, John C.....	1612 Stevenson.	O'Neil, John C. B.....	4 Church.
Falvey, John.....	733 Market.	O'Neil, John M.....	809 Twenty-fourth.
Fenlon, Jeremiah.....	733 Market.	O'Neil, John P.....	3 White.
Fernandez, F. M.....	101 Commercial.	Parker, Luke J.....	1310 Filbert.

LIST OF JOURNEYMAN PLUMBERS—CONTINUED.

JOURNEYMAN PLUMBERS.	ADDRESS.	JOURNEYMAN PLUMBERS.	ADDRESS.
Patten, Henry	331 Tehama.	Sweeney, Patrick C.....	222 Herman.
Peller, H.	523 Filbert.	Tank, Henry	Alameda.
Prendergast, John	Ocean View.	Thomas, Hugh.....	616 Natoma.
Powers, E. J.	Clay and Fillmore.	Tobin, W. H.	1240 Howard.
Quinn, Hugh E.	229 Seventeenth.	Wa d, Peter.....	1009 Minna.
Reynolds, George F.	1814 Hyde.	Wedgwood, Frank L....	517 Hobart, Oakland.
Riley, John	2014 Mission.	Weber, Henry.....	1204 Kearny.
Reevy, Andrew	13½ Freelon.	Walsh, Joseph A.	120 Jones.
Robinson, Thomas F.	1133½ Harrison.	Welch, Michael F.	2230 Pine.
Rohr, Joseph	1034 Folsom.	Weish, Joseph.....	Ferry.
Schaefer, William B.	324½ Seventh.	Wilson, Albert J.....	1231 Turk.
Schadde, Edward.	354 Grove.	Wills, Al'red.....	Eighth and Sanchez.
Schimmpfennig, Fred.	110 Pacific.	Witts, Richard.....	5 Laussat.
Smith, H. W.	Creedmore House.	Wood, George F.	1613 Folsom.
Spinks, Charles N.	1616 Leavenworth.	Young, Conrad	14-9 Dupont.
Stevens, James F.	713½ Union.		

REPORT OF ASSISTANT PLUMBING AND DRAINAGE INSPECTOR.

SAN FRANCISCO, July 1, 1887.

*To J. L. Meares, M. D.,**Health Officer of the City and County of San Francisco:*

SIR: I herewith respectfully submit my report as Assistant Inspector of Plumbing and Drainage for the year ending June 30, 1887.

I have during said period inspected thirty thousand and six hundred (30,600) feet of iron-stone pipe, laid as house-drains inside of building lines, and fourteen thousand six hundred and twenty-nine (14,629) feet of cast-iron pipe, laid as house-drains inside of building lines.

I have also examined the setting of six hundred and eight (608) traps, as set under sidewalks inside of curbs.

Yours respectfully,

JAMES J. BYRNE,
Assistant Inspector Plumbing and Drainage.

REPORT OF TWENTY-SIXTH STREET HOSPITAL.

To J. L. Meares, M. D.,

Health Officer of the City and County of San Francisco:

SIR: I have the honor to offer my report of cases treated in the Twenty-sixth Street Hospital for the fiscal year ending with June 30, 1887.

Number of patients remaining on hands at the date of last report.....	2
Admitted since.....	33
	—
Whole number treated.....	35
Of these there has been discharged cured.....	16
Died (of variold).....	2
Shipped to China (leprosy).....	3
Escaped (seabies).....	1
	—
Remaining on hand.....	13

DISEASES TREATED DURING THE FISCAL YEAR.

With leprosy, natives of the U. S.....	2
With leprosy, natives of China.....	3
With leprosy, natives of Sandwich Islands.....	3
With variold, natives of U. S.....	11
With variold, natives of China.....	5
With variold, natives of Ireland.....	2
With variold, natives of Italy.....	1
With varioloid, natives of U. S.....	2
With varioloid, natives of China.....	2
With varioloid, natives of Scotland.....	1
With scabius, natives of U. S.....	2
With syphitis, natives of U. S.....	1
	—
Total.....	35

Of the confluent cases of variold there were—

Natives of U. S.....	6
Natives of China.....	2
Natives of Ireland.....	2

All of which is very respectfully submitted,

J. E. PELHAM, M. D.,
Resident Physician Twenty-sixth Street Hospital.

Dated June 30, 1887.

REPORT OF QUARANTINE OFFICER.

SAN FRANCISCO, June 30, 1887.

To *J. L. Meares, M. D.,*

Health Officer of the City and County of San Francisco:

SIR: I have the honor to submit the following report for the fiscal year commencing July 1, 1886, to June 30, 1887, comprising tabulated statement of the number of vessels entering this port subject to quarantine dues. Also the amount received as fees, which sum I handed over to the Treasurer of the City and County of San Francisco, together with expenses incurred in this department for the year.

Nine vessels were quarantined and eight cases of small-pox was removed from six of them to the Twenty-sixth Street Hospital for treatment. At a regular meeting of the Board of Health, held December 16, 1886, "That owing to the prevalence of cholera in South America, that ports in direct communication with San Francisco, particularly those of Chili and the Argentine Republic, be declared infected, and that the Quarantine Officer be directed to quarantine all vessels arriving from such ports."

In compliance with this resolution, I found it necessary to place in quarantine four vessels. They were thoroughly disinfected and released. There were no cases of a contagious nature on these vessels.

Twenty thousand three hundred and ninety passengers entered this port by sea during the year, of which number 14,378 were alien immigrants, 3,952 were citizens of the United States, and 2,060 were Chinese in transit for foreign countries.

Six passengers died on the voyage.

The following shows number of vessels that entered this port during the fiscal year subject to quarantine fees, the amount received, and receipts:

YEAR.	MONTH.	NO. OF VESSELS.	DUES.	RECEIPTS.
1886	July.....	83	\$517 50	\$517 50
1886	August.....	93	535 00	535 00
1886	September.....	78	457 50	457 50
1886	October.....	104	650 00	650 00
1886	November.....	77	472 50	472 50
1886	December.....	62	407 50	407 50
1887	January.....	62	400 00	400 00
1887	February.....	72	457 50	457 50
1887	March.....	84	462 50	462 50
1887	April.....	76	482 50	482 50
1887	May.....	71	447 50	447 50
1887	June.....	64	407 50	407 50
	Total.....	926	\$5,697 50	\$5,697 50

EXPENSES QUARANTINE DEPARTMENT FOR THE FISCAL YEAR 1886-87.

1886—July.....	.....	.....	\$512 00
August.....	.....	.....	510 00
September.....	.....	.....	522 15
October.....	.....	.....	510 00
November.....	.....	.....	790 82
December.....	.....	.....	525 85
1887—January.....	.....	.....	550 00
February.....	.....	.....	550 07
March.....	.....	.....	549 00
April.....	.....	.....	555 00
May.....	.....	.....	566 46
June.....	.....	.....	SS6 27
Total .....	.....	.....	\$7,027 62

Very respectfully your obedient servant,

W. F. McALLISTER, M. D.,

Quarantine Officer.

MARKET INSPECTOR'S REPORT.

SAN FRANCISCO, July 1, 1887.

To J. L. Meares, M. D.,

Health Officer of the City and County of San Francisco:

DEAR SIR: I respectfully submit to you my report for the year commencing July 1, 1886, and ending June 30, 1887.

The seizures and confiscations are as follows:

CONFISCATIONS AND SEIZURES.	1886.						1887.						Total.....
	July.....	August.....	September.....	October.....	November.....	December.....	January.....	February.....	March.....	April.....	May.....	June.....	
Pounds of Beef.....	500	1950	300	400	250	1200	500	1365	2700	150	9315	9315	
Pounds of Mutton.....	250	.....	.....	.....	.....	.....	150	400	.....	.....	.....	800	
Pounds of Pork.....	150	.....	90	.....	.....	.....	200	.....	.....	.....	.....	440	
Pounds of Fish.....	500	10,000	.....	.....	.....	1000	.....	1200	2100	1600	16,400	16,400	
Number of Calves.....	17	11	21	43	53	39	72	99	49	20	14	24	462
Number of Hogs.....	.....	.....	.....	.....	3	.....	.....	2	.....	.....	7	12	12
Number of Sheep.....	.....	.....	.....	.....	.....	23	.....	10	10	19	9	76	76
Number of Cattle.....	.....	1	.....	1	.....	.....	2	.....	2	.....	2	1	7
Number of Lambs.....	.....	.....	.....	.....	.....	.....	.....	.....	46	4	.....	50	50
Number of Deer.....	.....	2	.....	3	.....	.....	.....	.....	.....	.....	.....	5	5
Number of Chickens.....	.....	28	.....	.....	28	93	.....	.....	.....	24	36	88	88
Number of Wild Hare.....	.....	.....	.....	78	60	46	120	129	.....	.....	.....	250	250
Number of Wild Duck.....	.....	.....	.....	4	1	3	.....	.....	.....	.....	.....	304	304
Dozen of Quail.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	8

I have also attended to all cases of glandered horses reported at this office. The number reported was six (6). Five were deprived of life, and one has been removed outside of the City and County.

Very respectfully,

ED. F. McKITTRICK,
Market Inspector.

REPORTS OF HEALTH INSPECTORS.

SAN FRANCISCO, JUNE 1, 1887.

J. L. Meares, M. D.,

Health Officer of the City and County of San Francisco—

SIR: I hereby submit the following report of District No. 1, for the year ending June 30, 1887:

Number of complaints.....	1,275
Abatements.....	1,262
No cause.....	13
	—
Houses condemned in Chinatown as unfit for human habitations..	12
Number of patent closets put in.....	85
Feet of iron-stone and iron-soil pipe put in.....	2,730
Cement floors put in.....	66
Examined houses infected with diphtheria.....	28
Examined houses infected with scarlatina.....	2
Fumigated.....	5
Number of arrests made.....	18

I am, sir,

Very respectfully,

JOHN KELLY, JR.,

Inspector First District.

SAN FRANCISCO, July 1, 1887.

J. L. Meares, M. D.,

Health Officer of the City and County of San Francisco—

SIR: I herewith beg to submit the report of District No. 2, for the year ending June 30, 1887:

Nuisances as complained of.....	499
Nuisances abated.....	458
Complaints without cause.....	35
Nuisances remaining unabated.....	6
	—
Patent water-closets constructed.....	45
Stone-pipe sewers put in, feet.....	4,160

Respectfully,

O. H. FRANK,

Health Inspector District No. 2.

SAN FRANCISCO, July 1, 1887.

*J. L. Meares, M. D.,
Health Officer of the City and County of San Francisco—*

DEAR SIR: I herewith submit my report as Inspector for the year ending June 30, 1887.

Complaints filed	902
Complaints abated.....	850
Complaints without cause.....	30
Complaints in process of abatement.....	22
	— — —
Patent closets put in.....	95
Traps put in.....	131
Feet of iron-stone pipe put in.....	14,700
Feet of galvanized iron pipe put in.....	640
Examined premises for diphtheria.....	86
Examined premises for scarlatina.....	6
Fumigated for diphtheria	34

Very respectfully,

T. G. PARKER,

Inspector Third District.

SAN FRANCISCO, July 1, 1887.

*J. L. Meares, M. D.,
Health Officer of the City and County of San Francisco—*

SIR: The following report of work done in District No. 4 during the year ending June 30, 1887, is respectfully submitted, viz:

Whole number of nuisances abated.....	625
Examination of premises infected with diphtheria.....	186
Examination of premises infected with scarlatina.....	9
Houses fumigated.....	65
Feet of 18-inch sewer put in.....	830
Feet of iron-stone drain put in.....	9,765
Patent closets put in.....	75
Wood drain put in, feet.....	1,560
Iron pipe put in, feet.....	300
Arrests.....	11

The filling of stagnant ponds has progressed steadily, though not as rapidly as desired owing to peculiar difficulties.

Your obedient servant,

JEFFERSON MARNETT,

Health Inspector District No. 4.

SAN FRANCISCO, July 1, 1887.

*J. L. Meares, M. D.,
Health Officer of the City and County of San Francisco--*

I herewith submit the report of District No. 5 for year ending July 1, 1887:

Number of complaints of nuisances.....	824
Number of nuisances abated.....	734
Number of complaints without cause.....	82
Number of complaints referred to other departments.....	8
	—
Number of feet of iron-stone pipe laid.....	10,360
Number of patent closets constructed.....	175
Number of cases of diphtheria and scarlet fever.....	145
Number of houses fumigated.....	35
Number of arrests.....	6

Respectfully,

T. M. BOARMAN,
Health Inspector District No. 5.

SAN FRANCISCO, July 1, 1887.

*J. L. Meares, M. D.,
Health Officer of the City and County of San Francisco--*

SIR: I herewith beg leave to submit my report of District of No. 6, for year ending June 30, 1887:

Number of nuisances abated.....	791
Number of complaints without cause.....	26
Number of complaints under abatement.....	8
	—
Examined premises inflicted with diphtheria.....	125
Examined premises inflicted with scarlet fever.....	5
Examined premises inflicted with scarlatina.....	1
Fumigations.....	18
Arrests.....	2
Number of feet of iron-stone pipe put in.....	5,925
Number of feet of cast-iron pipe put in.....	975
Number of feet of metal pipe put in.....	125
Number of patent closets.....	110
Iron slop-hoppers.....	19
Traps put in.....	54

Very respectfully

J. GANS,
Health Inspector District No. 6.

CITY PHYSICIAN'S REPORT.

OFFICE OF THE CITY PHYSICIAN,
SAN FRANCISCO, August 1, 1887.

*To the Honorable the Board of Supervisors
Of the City and County of San Francisco:*

GENTLEMEN: In compliance with Resolution No. 19,581 (New Series), I have the honor to submit for your consideration my eleventh annual report for the fiscal year ending June 30, 1887.

The House of Correction and County Jail have maintained a very good sanitary condition for the past year. Most of the cases there treated by me were contracted by the patients prior to their admission to those institutions. To the zeal and efficiency of the officers of both institutions is largely due the state of general health of the inmates. The predominant diseases were: Syphilis, gonorrhœa, rheumatism, bronchitis, consumption, alcoholism.

The number of indigent sick applying daily for treatment at my office is increasing, and my time is largely occupied in visiting the sick poor in their homes.

The number of autopsies have been materially increased (42 last year to 95 this year.)

Cases attended in the House of Correction.....	1,907
County Jail.....	1,210
Indigent sick.....	2,799
City Receiving Hospital.....	2,341
Total.....	8,275

CITY PHYSICIAN'S REPORT.

63

Sent to the City and County Hospital from County Jail.....	2
Sent before Commissioners of Insanity from House of Correction.....	2
County Jail.....	9
Died--County Jail.....	1
" County Jail (lawful execution).....	1
" House of Correction.....	2
Autopsies made for the Coroner.....	95

Very respectfully,

CHAS. BLACH, M. D.,

City Physician and Police Surgeon.

AUTOPSIES MADE FROM JULY 1, 1886, TO JUNE 30, 1887.

Total number.....	95
SEX.	
Male.....	72
Female.....	23
Total.....	95

RACE.

Caucasian.....	88
Mongolian.....	7
Total.....	95

CLASSIFICATION OF AGES.

Under 10 years.....	8	From 40 to 50 years.....	16
From 10 to 20 years.....	7	From 50 years and over.....	24
From 20 to 30 years.....	13	Unascertained.....	12
From 30 to 40 years.....	15	Total.....	95

CITY PHYSICIAN'S REPORT.

NATIVITY.

UNITED STATES.

California.....	15	Ohio.....	1
Illinois.....	2	Vermont	2
Massachusetts.....	4	Virginia.....	1
New York.....	2	Total.....	27

FOREIGN.

China.....	7	Japan.....	1
Canada.....	1	Mexico.....	1
Denmark.....	1	Nova Scotia.....	2
England.....	3	Scotland.....	2
Finland.....	1	Sweden.....	3
France.....	3	West Indies.....	1
Germania.....	10	Unknown.....	18
Honolulu.....	1	Total.....	68
Ireland.....	13		
Total.....			95

3

CLASSIFICATION OF CAUSES OF DEATH.

Aneurism.....	1	Heart, hypertrrophy.....	1
Aorta, rupture.....	1	Heart, valvular disease.....	4
Asphyxia.....	3	Lungs, congestion.....	8
Apoplexy, cerebral.....	3	Lungs, oedema.....	1
Apoplexy, serous.....	5	Meningitis.....	5
Brain, bullet.....	7	Peritonitis, bullet.....	1
Brain, congestion.....	2	Phthisis pulmonalis.....	6
Brain, softening.....	2	Pneumonia.....	3
Brain, tumor.....	1	Poison, carbolic acid.....	1
Burns.....	1	Poison, morphine.....	4
Hemorrhage external, knife.....	2	Poison, opium.....	6
Hemorrhage internal, bullet.....	10	Pyaemia.....	2
Hemorrhage internal, knife.....	5	Septicaemia.....	2
Heart Disease.....	1	Submersion.....	2
Heart, fatty degeneration.....	3	Still-born.....	1
Total.....			96

REPORT OF THE ASSISTANT CITY PHYSICIAN.

SAN FRANCISCO, July 1, 1887.

To Chas. Blach, M. D., City Physician:

SIR—I have the honor to herewith submit to you my report for the past year (from July 1, 1886, to July 1, 1887), of the number of persons admitted and attended at the City Receiving Hospital.

Total number admitted and attended.....	2,799
Caucasian (male).....	2,433
Caucasian (female).....	302
Negro (males).....	4
Negro (females).....	1
Chinese (male).....	58
Chinese (female).....	1
Total.....	2,799

EVENT.

St. Luke's Hospital.....	1
St. Mary's Hospital.....	3
German Hospital.....	5
Marine Hospital.....	5
City and County Hospital.....	176
Home of Inebriates.....	56
Alms House.....	25
Commissioners of Insanity.....	14
To cell.....	478
Died.....	59
Pest House.....	1
Discharged.....	1,976
Total.....	2,799

DISEASES TREATED AT RECEIVING HOSPITAL.

Abscess of Arm.....	3
" Face.....	1
" Foot.....	1
" Hand.....	19
" Leg.....	1
" Neck.....	1
" Shoulder.....	1
" Unspecified.....	2

DISEASES TREATED AT RECEIVING HOSPITAL—CONTINUED.

Alcoholism.....	250
Apoplexy.....	4
Asthma.....	6
Bronchitis.....	7
Bubo.....	2
Burns of body.....	9
Burns of face and hands.....	28
Brought in dead.....	1
Child-birth.....	1
Cystitis.....	2
Concussion of brain.....	22
Catalepsy.....	1
Colic.....	3
Constipation.....	1
Contusion of body.....	26
Cholera Morbus.....	3
Conjunctivitis.....	2
Congestion of brain.....	1
Diarrhoea.....	9
Disease of heart.....	8
Disease of womb.....	2
Dyspepsia.....	7
Debility (general).....	50
Dislocation Clavick.....	1
" Fingers.....	2
" Hip.....	1
" Humerus	26
" Radius and Ulna.....	5
" Wrist joint.....	10
Epistaxis.....	5
Epilepsy.....	84
Erysipelas.....	3
Foreign bodies.....	25
Fever, intermittent.....	5
Fracture Clavicle.....	10
" Carpal bones.....	10
" Femur.....	11
" Fibula	13
" Humerus.....	20
" Patella.....	3
" Raduis and Ulna.....	24
" Ribs.....	11
" Skull.....	5
" Tibia.....	21
" Tibia and Fibula.....	24
" Fingers.....	19
" Nose.....	9
" Raduis.....	8
" Foot.....	3
" Ulna.....	1
" Jaw	4
" Toes.....	1
" Scapula.....	1

DISEASES TREATED AT RECEIVING HOSPITAL—CONTINUED.

Gonorrhœa.....	6
Haemoptysis.....	6
Hernia, inguinal.....	2
Hernia, strangulated.....	2
Hysteria.....	15
Insanity.....	25
Iritis.....	1
Inflammation of leg.....	6
Lacerated wounds (unspecified).....	13
Neuralgia.....	5
Oedema.....	4
Orchitis.....	3
Phthisis.....	1
Pneumonia.....	6
Paralysis.....	11
Poisoning by Acid.....	1
" Chloral.....	5
" Chloform.....	1
" Gas.....	4
" Morphia.....	8
" Opium.....	15
" Strychnia.....	2
Rape.....	4
Retention of urine.....	5
Rheumatism.....	14
Sprain of Ankle joint.....	56
" Elbow.....	4
" Knee.....	9
" Shoulder.....	18
" Wrist.....	24
Submersion.....	38
Stricture.....	4
Syphilis.....	6
Strangulation.....	2
Sore Throat.....	3
Shock.....	5
Tonsilitis.....	1
Toothache.....	10
Wound of Arm.....	54
" Breast.....	12
" Chest.....	27
" Abdomen.....	10
" Ear.....	10
" Eye.....	36
" Face.....	179
" Hand.....	396
" Leg.....	62
" Foot.....	45
" Mouth.....	1
" Hip.....	4
" Rectum.....	2

ASSISTANT CITY PHYSICIAN'S REPORT.

DISEASES TREATED AT RECEIVING HOSPITAL—CONCLUDED.

"	Shoulder.....	16
"	Scalp.....	687
"	Back.....	28
"	Throat.....	7
"	Thigh	3
"	Neck.....	14
"	Knee.....	4
"	Tongue.....	1
"	Testicle.....	2
Variola.....		1
Vaccination..	.....

Respectfully submitted,

E. D. MARTINEAUT, M. D.,
Assistant Physician and Police Surgeon.

ALMS-HOUSE REPORT.

To the Honorable the Board of Health
of the City and County of San Francisco:

GENTEEMEN: I respectfully submit to your Honorable Body the following report of the condition and affairs of the City and County Alms House for the fiscal year ending June 30, 1887.

NUMBER OF INMATES ADMITTED.

Males.....	453
Females.....	115
Remaining in the House July 1, 1886.....	568
Total to be accounted for.....	612

NUMBER OF INMATES DISCHARGED, ETC.

Number of inmates discharged at own request.....	323
Number of inmates ran away.....	116
Number of inmates died.....	110
Number of inmates transferred to insane asylum.....	3
Remaining in the House July 1, 1887.....	623
Total.....	1,180
Daily average number of inmates.....	613

NATIVITY OF INMATES.

UNITED STATES.

California.....	9	North Carolina.....	2
Connecticut.....	5	New Hampshire.....	2
Illinois.....	4	Ohio.....	8
Indiana.....	2	Pennsylvania.....	1
Kentucky.....	3	South Carolina.....	1
Louisiana.....	7	Texas.....	1
Maine.....	3	Utah Territory.....	1
Massachusetts.....	16	Virginia.....	6
Maryland.....	5	Vermont.....	6
New York.....	37	Washington Territory.....	1
New Jersey.....	6	Wisconsin.....	2
Total for United States.....	128		

ALMSHOUSE REPORT.

FOREIGN.

Austria.....	6	Jamaica.....	1
Australia.....	2	Mexico.....	1
Canada.....	15	Martinique.....	2
China	1	Macao.....	2
Denmark.....	1	Newfoundland.....	1
England	33	Norway	3
France.....	31	Peru.....	2
Finland	1	Portugal	2
Germany	53	Russia	3
Holland.....	1	Switzerland	7
Ireland.....	250	Sweden.....	9
Italy.....	4	Scotland.....	9
Total.....			568

OCCUPATION OF INMATES.

Asphaltum Worker.....	2	Lawyer.....	3
Architect.....	1	Miner.....	28
Blacksmith.....	6	Marble Cutter.....	6
Boiler Maker.....	3	Musician.....	3
Bootblack.....	1	Machinist.....	2
Butcher.....	9	Miller.....	1
Bricklayer.....	6	Metal Chaser.....	1
Baker.....	4	Merchant.....	1
Bookkeeper.....	1	Nurse.....	4
Basket Maker.....	1	Painter.....	10
Butler.....	1	Peddler.....	8
Boat Builder.....	1	Physician.....	3
Barkeeper.....	1	Printer.....	5
Carpenter	14	Policeman.....	1
Cook.....	35	Restaurant Keeper.....	1
Chambermaid.....	1	Sailor.....	16
Cooper.....	2	Servant.....	26
Cabinet Maker.....	5	Seamstress.....	2
Clerk.....	9	Stevedore.....	7
Caulker.....	2	Sailmaker.....	2
Currier.....	1	Stableman.....	2
Car Driver.....	1	Ship Carpenter	2
Dyer.....	1	Stone Cutter.....	2
Draughtsman.....	1	Saw Filer.....	1
Dress Maker.....	1	Soap Boiler.....	1
Dairymen.....	1	Sawyer.....	1
Engineer.....	3	Saddler.....	1
Engraver.....	1	Surveyor.....	1
Expressman.....	5	Saloon Keeper.....	1
Fireman.....	3	Shoemaker.....	19
Fisherman.....	1	Tinsmith.....	5

OCCUPATION OF INMATES—CONTINUED.

Farmer.....	14	Teamster.....	13
Foundryman	1	Teacher.....	6
Gardener.....	10	Tanner.....	1
Gasfitter.....	2	Taylor.....	6
Housekeeper.....	66	Upholsterer.....	1
Hatter.....	2	Wax Worker.....	1
Harnessmaker.....	1	Wood Chopper.....	1
Journalist.....	1	Waiter.....	15
Laborer.....	106	Wood Turner.....	2
Laundress.....	2	Wheelwright.....	1
Laundryman.....	3	Watchmaker.....	1
Locksmith.....	1	No occupation.....	21
Total.....			568

AGES OF INMATES.

From 1 month to 6 months.....	1	From 40 years to 49 years,	89
From 1 year to 9 years.....	7	From 50 years to 59 years.....	111
From 10 years to 19 years.....	3	From 60 years to 69 years.....	203
From 20 years to 29 years.....	11	From 70 years to 79 years.....	80
From 30 years to 39 years.....	48	From 80 years to 89 years.....	15
Total.....			568

Average age of inmates (years)..... 56½

BY WHOSE ORDER ADMITTED.

By Dr. J. L. Meares, Health Officer.....	125
By His Honor Mayor Bartlett.....	136
By His Honor Mayor Pond.....	177
By Dr. D. E. Barger, Superintendent Physician City and County Hospital.....	98
By Supervisor John E. Kunkler, Chairman Hospital Committee.....	4
By Supervisor Justin Gates.....	3
By Dr. F. H. Denis, Physician City Receiving Hospital.....	23
By Commissioners of Insanity.....	1
By His Honor Judge Hornblower, Police Court No. 1.....	1
Total.....	568

NUMBER OF TIMES ADMITTED AND READMITTED AFTER BEING DISCHARGED.

First time	341	Ninth time.....	4
Second time.....	94	Tenth time.....	4
Third time.....	39	Eleventh time.....	2
Fourth time.....	30	Twelfth time.....	1
Fifth time.....	12	Thirteenth time.....	2
Sixth time.....	16	Fourteenth time.....	3
Seventh time.....	11	Fifteenth time.....	1
Eighth time.....	7	Twenty-eighth time.....	1
Total.....			568

ALMS HOUSE REPORT.

SOCIAL CONDITION OF INMATES.

Single.....	280
Married.....	84
Widowers.....	125
Widows.....	71
Children	8
Total.....	568

COLOR OF INMATES.

White.....	558
Black.....	10
Total.....	568

Amount of money taken from inmates on admission..... \$70 55

Of the 568 inmates admitted only 15 were in possession of money.

Average amount for the 15..... 4 70

Average amount for the 568..... 12 $\frac{1}{2}$

Largest sum taken from any inmate..... 20 00

Smallest sum taken from any inmate..... 10

All money or other articles taken from the inmates, are returned to them on leaving the Alms House.

ALMS HOUSE EXPENSES FOR 1886 AND 1887.

Salaries of officers and employees.....	\$14,149 00
Groceries, provisions, fruit, etc.....	21,908 51
Liquors, drugs, medicines and instruments.....	1,881 83
Clothing, dry goods, shoes, bedding, hats, caps, etc.....	6,701 52
Horse and cattle feed, straw, etc.....	7,225 18
Fuel and lights.....	3,799 90
Materials for improvements and repairs.....	1,158 89
Hardware, tools and implements.....	574 70
Repairs on engines, boilers, ranges and machinery.....	767 35
Crockery, glass and tinware.....	248 11
Kitchen and dining-room utensils.....	267 99
Stationery, schoolbooks, stamps, newspapers and printing.....	172 82
Laundry supplies—soap, soda, starch, bluing, etc.....	551 85
Tobacco.....	637 62
Horseshoeing.....	230 00
Farm and garden seeds.....	543 92
Brooms, brushes, dusters, etc.....	221 51
Furniture and carpets.....	163 90
Harness and harness repairs.....	117 50
Vehicles and repairs on vehicles.....	610 15
Plumbing, etc.....	272 23
One horse.....	250 00
Hose and couplings.....	58 80
One American ensign.....	17 00
Telephone expenses.....	55 76
Total.....	\$62,586 40

The total cost for food for 1886 and 1887 was.....	\$21,906 51
Daily number of employees and inmates was.....	636
Daily cost per inmate and employee for food was.....	.09$\frac{1}{2}$
The total cost for clothing, dry goods, shoes, hats, bedding, etc., was.....	\$6,701 52
Daily average number of inmates was.....	613
Daily cost per inmate for the above articles was.....	.03
The total cost for the year for light was.....	\$942 75
Daily cost for light for the three buildings was.....	2 58

There are 66 burners lit in the institution every night, all of which burn until 8 o'clock, and 32 burn all night.

According to the Auditor's report, the total amount paid out for 1886 and 1887, exclusive of the sums disbursed on account of the new building, was \$62,586 04; deducting therefrom the amount paid into the City and County Treasury, realized from sales of stock, etc., viz: \$1,561 94, leaves the actual disbursement \$61,024 10.

The daily average number of inmates was.....	613
Daily cost for the institution.....	\$167 19
Daily cost per inmate.....	.27$\frac{1}{2}$
Yearly cost per inmate.....	99 55

The following is a resume of the work done in the different departments during the year:

TAILORING DEPARTMENT.

Men's cassimere coats made.....	135
Men's cassimere pants made.....	205
Men's blue jean overalls made.....	275
Boys' blue jean overalls made.....	60
Boys' blue jean blouses made.....	60
Boys' cassimere suits made.....	20
Men's flannel overshirts made.....	616
Men's flannel undershirts made.....	512
Men's flannel drawers made.....	61
Boys' flannel overshirts made.....	54
Number of coats and jackets repaired.....	175
Number of pants repaired.....	260
Number of overalls, vests, etc., repaired.....	180

SHOE DEPARTMENT.

Men's shoes made, pairs.....	354
Boys' shoes made, pairs.....	26
Women's shoes (bought) pairs.....	96
Girls' shoes (bought), pairs.....	48
Boys' shoes (bought), pairs.....	84
Children's shoes (bought), pairs.....	60
Slippers (bought), pairs.....	120
Men's and boys' shoes repaired, pairs.....	486

WOMEN'S DEPARTMENT.

The female inmates have made all the clothing required by them, and have made and delivered during the year, 150 dresses and about 800 other garments, besides all the sheets, slips, spreads, ticks, etc., required by the institution. During the past year they have also made for use in the new building, 1,100 sheets, 750 slips, 350 bed ticks, 350 pillow ticks, 350 spreads, 200 window shades and 100 roller towels. They have also repaired about 16,000 pieces belonging to themselves and the male inmates.

FARM.

	ACRES.	RODS.
House, lot and grounds.....	5	
New Building, lot and grounds.....	5	
Hospital lot, grounds and roads.....	4	129
Pasturage.....	15	
Potatoes.....	20	
Barley for hay.....	22	31
Vegetables.....	8	
Total.....	80	

LIVE STOCK.

Horses.....	13	Calves under 12 months old.....	50
Cows.....	79	Hogs.....	43
Bulls.....	1	Pigs.....	43
Heifers.....	1	Chickens.....	80
Total.....			310

ESTIMATED CROPS.

Potatoes.....	70 tons, 140,000 lbs
Hay.....	65 tons, 130,000 lbs
Vegetables.....	40 tons, 80,000 lbs

AMOUNT RECEIVED FROM SALES OF STOCK, ETC.

Received from sale of 65 calves.....	\$1,042 00
Received from sale of 27 hogs.....	279 37
Received from sale of kitchen grease.....	166 90
Received from sale of bones.....	73 67
Amount paid into the City and County Treasury.....	\$1,561 94

I have also received from the State of California during the year the following sums "for support of aged persons in indigent circumstances," and for support of orphan, half-orphan, and abandoned children, and have paid the amount into the City and County Treasury:

Received from State of California for support of aged persons in indigent circumstances for half year ending June 30, 1886.....	\$14,930 29
Received from State of California for support of orphan, half-orphan, and abandoned children, for half-year ending June 30, 1886.....	617 58
Amount paid into the City and County Treasury.....	\$15,547 87

COST OF THE ALMSHOUSE NEW BUILDING AND FURNISHING THE SAME FOR THE ACCOMMODATION OF 350 INMATES.

Architect's services.....	\$1,433	
Erection of building.....	40,965 00	,
Extra work.....	875 46	,
Sewer pipe.....	297 64	
		\$13,571 87
Furniture.....	1,265 50	
Blankets, ticks, sheeting, spreads, etc.....	2,306 11	
Fire hose and blunderbusses.....	1,585 50	
Kitchen and dining room utensils.....	643 20	
Crockeryware.....	213 50	
Lumber for tables, etc.....	165 30	
Hardware.....	31 70	
Water tower with 3 tanks.....	1,975 00	1,975 00
Total.....		\$51,757 48

REMARKS.

From the foregoing figures it will be seen that the expenses of the institution will compare more than favorably with any former year of my administration. The cost for food has been less than ever, every article of which has been closely inspected on delivery, and if found unsatisfactory has been returned and exchanged for the best.

The appropriation for Alms House expenses for 1886 and 1887 was \$70,000. The amount actually paid out from the City and County Treasury was \$61,024 10; consequently there was a surplus of \$8,975 90 remaining at the close of the fiscal year.

While economy has at all times been my aim, the comfort and well-being of the inmates has never been lost sight of.

All the inmates, both male and female, who were able to work have been employed, their labor being utilized wherever it could be most useful. Not more than one third of the inmates admitted are capable of performing manual labor.

These have been employed upon the farm, on the roads, in the gardens and grounds, buildings, stables, etc. Others have been employed as painters, whitewashers, carpenters, herders, milkers, etc., etc. Wherever repairs were required on the buildings or in the grounds, they have received prompt attention, the work costing the city nothing, except for material used.

The sanitary condition of the three buildings has received constant care. Sewers have been flushed weekly, disinfectants freely used, and every room thoroughly scrubbed with soap and water at least once a week, so that at all times the House has been sweet and clean.

The roads in the neighborhood of the institution have been kept in good condition, the grounds surrounding the new building have been graded, and the walks and drives macadamized.

Among a variety of other work done in and around the new building, 1,300 feet of iron-stone sewer pipe have been laid, and 700 feet of galvanized iron pipe for irrigating the grounds.

The crops on the farm this season have been a fair average, the potatoes having done remarkably well, many single potatoes weighing 2 lbs. and over, and of first-class quality. Our milk supply has been ample, from which a large portion of the butter used in the institution has been made. The gardens have produced an abundance of table vegetables of superior quality.

In my last annual report I stated that I had received \$61,073 69 from the State under the "Act to appropriate money for support of aged persons in indigent circumstances." Since then I have received, under said Act, the further sum of \$14,932 20, and \$617 58 under the Act of 1880, to appropriate money for support of orphan, half orphan, and abandoned children, making the total amount received from the State under these two Acts, to date, \$88,606.17, the whole of which has been paid into the City and County Treasury.

There is now due from the State, under said laws, for the year ending June 30th, 1887, the sum of \$32,312.46.

For several years past, the institution having been overcrowded with inmates, with the prospect of a gradual increase in the number seeking admission, and also with the view of relieving the City and County Hospital of its incurables and convalescents, it became evidently necessary to increase the accommodations of the House.

Having received from the State \$61,073.69 in one sum, I deemed this a favorable opportunity for the erection of an additional building, and succeeded in impressing the Honorable Board of Supervisors with its necessity; they therefore appropriated the amount required from the said money.

The new structure is situated on high ground, about one hundred yards north of the main building, and in clear weather commands a splendid view of the Golden Gate and the Pacific Ocean. It is of three stories, of sightly appearance, complete and convenient in all its appointments, and capable of comfortably accommodating three hundred and fifty inmates.

The building was opened April 4th, on which date the first installmen of patients from the City and County Hospital were received. That institution has been relieved of one hundred persons in the last three months. The cost of the building, and furnishing the same for the accommodation of three hundred and fifty inmates, has been, according to the Anditor's figures \$51,757.48.

Religious services at the institution have been held as usual, and my thanks are due to the Rev. Father Brennan and the priesthood of the Mission Dolores Church, who have been unremitting in their attention to the Catholic portion of the inmates.

My thanks are also tendered to Mr. Andrews and the Rev. E. J. Lion, pastor of St. Stephen's Episcopal Church; also, to the Rev. James Campbell, and the ladies of the Young Women's Christian Association, for their devotion to those of the Protestant faith.

I wish also to thank the ladies of the San Francisco Fruit and Flower Mission for their kind visits to dispense fruit and flowers among the sick inmates.

To all other kind friends who have made donations of books, papers and periodicals for use of the inmates, I tender my sincere acknowledgments, at the same time assuring them that their kind thoughtfulness has been duly appreciated by a class of poor people whose chief enjoyment is reading, being, from physical ailments, incapacitated from work.

My thanks are also due to all who helped to contribute so bountiful a supply of toys and candy for the Alms House children at Christmas. Could they have seen the little ones in the enjoyment of their bounty, they would have been amply repaid.

ALMSHOUSE REPORT.

From the opening of the Alms House to the present time, 9,736 inmates have been admitted and provided with a comfortable home, through the generous charity of the people of the City and County of San Francisco.

In conclusion, allow me to say that, having performed my duties conscientiously, I hope and trust my efforts have met your approval.

Sincerely thanking your Honorable Body, and the Hospital Committee of the Honorable Board of Supervisors, for your, and their, kind support and co-operation, this report is most respectfully submitted.

M. J. KEATING,

Superintendent City and County Alms House.

San Francisco, July 1st, 1887.

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